AU REAGENT QUICK REFERENCE GUIDE

Not for distribution in the U.S., Canada or Latin America.

BECKMAN COULTER

Move healthcare forward.

INTRODUCTION

Specifications for AU reagents listed in this document represent minimum levels of performance the tests are designed to meet for total precision. These specifications do not represent typical performance; typical performance is significantly better.

The measuring points listed in this document are photometric time points the software uses to calculate a result for each assay.

Tests per vial (TPV) are based on the primary application of the reagent and may differ slightly on platforms due to mechanical conditions and software used to determine when the reagent is empty.

If you require additional information regarding any of these assays, please consult the Instructions for Use (IFU) and analyzer-specific setting sheet for each individual chemistry assay.

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	Alanine Aminotransferase (IFCC)		Albumin	
Abbreviation	**ALT**		**ALB**	
Kit: DxC 700 AU	**OSR6007** (4x210 tests) **OSR6107** (4x980 tests)		**OSR6102** (4x845 tests) **OSR6202** (4x1,450 tests)	
Kit: AU480/AU680	**OSR6007** (4x210 tests) **OSR6107** (4x980 tests)		**OSR6102** (4x620 tests) **OSR6202** (4x1,120 tests)	
Kit: AU5800	**OSR6007** (4x210 tests) **OSR6107** (4x980 tests) **OSR6607** (4x3,000 tests)		**OSR6102** (4x845 tests) **OSR6202** (4x1,450 tests) **OSR6602** (4x4,500 tests)	
Calibrator Part Number	**66300**		**66300**	
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**		**Control Serum 1 & 2 (ODC0003, ODC0004)**	
Measurement Principle	**IFCC (with/without Pyridoxal Phosphate Activation)**		**Bromocresol Green (BCG)**	
Reaction Type	**Rate**		**End**	
Primary Wavelength	**340 nm**		**600 nm**	
Measuring Points	**14, 27**		**0, 1**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	Without P-5P: 30 days: **With P-5P: 7 days** With P-5P AU680 3-part reagent*: **30 days**		**90 days**	
Onboard Stability (AU5800)	Without P-5P: 30 days; With P-5P: **7 days** With P-5P 3-part reagent*: **30 days**		**90 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +25° C**	
Calibration Frequency	**Run in MB mode**		**User-defined**	
Compatible Anticoagulants	**EDTA, Heparin**		**EDTA, Heparin**	
Reagent Volume				
› DxC 700 AU	**R1=50 µL, R2=25 µL** With P-5P 3-part reagent*: **R1=50 µL, R1-2=5 µL, R2=25 µL**		**R1=32 µL**	
› AU480/AU680	**R1=50 µL, R2=25 µL** With P-5P AU680 3-part reagent*: **R1=50 µL, R1-2=5 µL, R2=25 µL**		**R1=46 µL**	
› AU5800	**R1=50 µL, R2=25 µL** With P-5P 3-part reagent*: **R1=50 µL, R1-2=5 µL, R2=25 µL**		**R1=32 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› DxC 700 AU	Serum/Plasma: **5 µL (Pediatric: 5 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.1 µL (Pediatric: 1.1 µL)** Urine: **N/A** CSF: **N/A**	
› AU480/AU680	Serum/Plasma: **5 µL (Pediatric: 5 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**	
› AU5800	Serum/Plasma: **5 µL (Pediatric: 5 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.1 µL (Pediatric: 1.1 µL)** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **3–500 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.05–8.33 µkat/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1.5–6 g/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **15–60 g/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Male: **<50 U/L** Female: **<35 U/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Male: **<0.85 µkat/L** Female: **<0.60 µkat/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **3.5–5.2 g/dL** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **35–52 g/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤3% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤3% CV** Urine: **N/A** CSF: **N/A**
Comment(s)	*OSR60180			

	Alkaline Phosphatase (IFCC)		Amylase (CNPG3)	
Abbreviation	**ALP**		**AMY**	
Kit: DxC 700 AU	**OSR6004** (4x310 tests) **OSR6104** (4x820 tests) **OSR6204** (4x1,450 tests)		**OSR6006** (4x80 tests) **OSR6106** (4x320 tests)	
Kit: AU480/AU680	**OSR6004** (4x310 tests) **OSR6104** (4x820 tests) **OSR6204** (4x1,450 tests)		**OSR6006** (4x60 tests) **OSR6106** (4x240 tests)	
Kit: AU5800	**OSR6004** (4x400 tests) **OSR6104** (4x945 tests) **OSR6204** (4x1,625 tests) **OSR6604** (4x5,000 tests)		**OSR6006** (4x80 tests) **OSR6106** (4x320 tests)	
Calibrator Part Number	**66300**		**Serum/Plasma: 66300, Urine: B64606**	
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**		Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**	
Measurement Principle	**IFCC AMP buffer**		**$CNPG_3$**	
Reaction Type	**Rate**		**Rate**	
Primary Wavelength	**410 nm**		**410 nm**	
Measuring Points	**16, 27**		**5, 10**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**14 days***		**30 days**	
Onboard Stability (AU5800)	**7 days***		**30 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**Run in MB mode**		**Run in MB mode**	
Compatible Anticoagulants	**Heparin**		**Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=36 µL, R2=36 µL**		Serum/Plasma: **R1=120 µL** Urine: **R1=150 µL**	
› **AU480/AU680**	**R1=36 µL, R2=36 µL**		Serum/Plasma: **R1=160 µL** Urine: **R1=150 µL**	
› **AU5800**	**R1=28 µL, R2=28 µL**		Serum/Plasma: **R1=120 µL** Urine: **R1=150 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma/Urine**	
› **DxC 700 AU**	Serum/Plasma: **1.8 µL (Pediatric: 1.8 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.2 µL** Urine: **1 µL** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **1.8 µL (Pediatric: 1.8 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.6 µL** Urine: **1 µL** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **1.4 µL (Pediatric: 1.4 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.2 µL** Urine: **1 µL** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **5–1,500 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.1–25.0 µkat/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **10–2,000 U/L** Urine: **5–4800 U/L** CSF: **N/A**	Serum/Plasma: **0.2–33.3 µkat/L** Urine: **0.1–80.0 µkat/L** CSF: **N/A**
Reference Interval	Serum/Plasma: Adults: **>17 years: 30–120 U/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **>17 years: 0.5–2 µkat/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: **22–80 U/L** Urine: **42–321 U/L** CSF: **N/A**	Serum/Plasma: **0.36–1.33 µkat/L** Urine: **0.7–5.35 µkat/L** CSF: **N/A**
Precision Specification	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **≤10% CV** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **≤10% CV** CSF: **N/A**
Comment(s)	*Air-sensitive reagent, refer to IFU.			

	Amylase (IFCC-EPS)		Angiotensin Converting Enzyme	
Abbreviation	**AMY**		**ACE**	
Kit: DxC 700 AU	**OSR6182** (4x400 tests)		**1767001** (2x90 tests)	
Kit: AU480/AU680	**OSR6182** (4x400 tests)		**1767001** (2x90 tests)	
Kit: AU5800	**OSR6182** (4x460 tests)		**1767001** (2x100 tests)	
Calibrator Part Number	Serum/Plasma: **66300,** Urine: **B64606**		**1665001** (3x1 mL)	
Control Name (Part Number)	Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**		**ACE Control Set 1667001** 2 levels (3x1 mL)	
Measurement Principle	**IFCC-EPS**		**Calibrated Enzymatic**	
Reaction Type	**Rate**		**Rate**	
Primary Wavelength	**410 nm**		**340 nm**	
Measuring Points	**20, 27**		**17, 27**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**90 days**		**30 days**	
Onboard Stability (AU5800)	**90 days**		**30 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**Run in MB mode**		**30 days**	
Compatible Anticoagulants	**Heparin**		**Lithium or Sodium Heparin**	
Reagent Volume				
› **DxC 700 AU**	Serum/Plasma: **R1=100 µL, R2=25 µL** Urine: **R1=100 µL, R2=25 µL**		**R1=180 µL**	
› **AU480/AU680**	Serum/Plasma: **R1=100 µL, R2=25 µL** Urine: **R1=100 µL, R2=25 µL**		**R1=180 µL**	
› **AU5800**	Serum/Plasma: **R1=75 µL, R2=19 µL** Urine: **R1=100 µL, R2=25 µL**		**R1=170 µL**	
Sample Type	**Serum/Plasma/Urine**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **2 µL** Urine: **1 µL** CSF: **N/A**		Serum/Plasma: **18 µL**	
› **AU480/AU680**	Serum/Plasma: **2 µL** Urine: **1 µL** CSF: **N/A**		Serum/Plasma: **18 µL**	
› **AU5800**	Serum/Plasma: **1.5 µL** Urine: **1 µL** CSF: **N/A**		Serum/Plasma: **17 µL**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **10–1,500 U/L** Urine: **10–4,800 U/L** CSF: **N/A**	Serum/Plasma: **0.2–25.0 µkat/L** Urine: **0.2–80.0 µkat/L** CSF: **N/A**	**AU480=5–120 U/L AU680=11–120 U/L AU5800=4–120 U/L DxC 700 AU=7–145 U/L**	**AU480=0.0835–2.0004 µkat/L AU680=0.1834- 2.0004 µkat/L AU5800=0.0667–2.0004 µkat/L DxC 700 AU=0.1167–2.417 µkat/L**
Reference Interval	Serum/Plasma: **28–100 U/L** Urine: Male: **≤490 U/L or 280 U/g creatinine** Female: **≤450 U/L or 380 U/g creatinine** CSF: **N/A**	Serum/Plasma: **0.46–1.66 µkat/L** Urine: Male: **≤8.16 µkat/L** Female: **≤7.50 µkat/L** CSF: **N/A**	**13.3–63.9 U/L**	**0.2217–1.065 µkat/L**
Precision Specification	Serum/Plasma: **≤5% CV** Urine: **≤10% CV** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **≤10% CV** CSF: **N/A**	**Not supplied**	**Not supplied**
Comment(s)				

	Aspartate Aminotransferase (IFCC)		Bicarbonate	
Abbreviation	**AST**		**CO_2**	
Kit: DxC 700 AU	**OSR6009** (4x200 tests) **OSR6109** (4x1,020 tests) **OSR6209** (4x1,935 tests)		**OSR6190** (4x740 tests) **OSR6290** (4x1,440 tests)	
Kit: AU480/AU680	**OSR6109** (4x980 tests) **OSR6209** (4x1,960 tests)		**OSR6190** (4x580 tests) **OSR6290** (4x1,160 tests)	
Kit: AU5800	**OSR6009** (4x200 tests) **OSR6109** (4x1,020 tests) **OSR6209** (4x1,935 tests) **OSR6609** (4x6,000 tests)		**OSR6190** (4x740 tests) **OSR6290** (4x1,440 tests)	
Calibrator Part Number	**66300**		**ODC0019**	
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**		**Control materials with values determined on the Beckman Coulter system**	
Measurement Principle	**IFCC (with/without pyridoxal phosphate activation)**		**Enzymatic PEP-MD**	
Reaction Type	**Rate**		**Fixed**	
Primary Wavelength	**340 nm**		**380 nm**	
Measuring Points	**14, 27**		**1, 9**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	Without P-5P: **30 days** With P-5P: **7 days** With P-5P AU680 3-part reagent*: **30 days**		**7 days***	
Onboard Stability (AU5800)	Without P-5P: 30 days; With P-5P: **7 days;** With P-5P 3-part reagent*: **30 days**		**7 days***	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**Run in MB mode**		**Daily, depends on usage in laboratory***	
Compatible Anticoagulants	**Heparin**		**Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=25 µL, R2=25 µL** With P-5P 3-part reagent*: **R1=25 µL, R1-2=5 µL, R2=25 µL**		**R1=32 µL**	
› **AU480/AU680**	**R1=25 µL, R2=25 µL** With P-5P AU680 3-part reagent*: **R1=25 µL, R1-2=5 µL, R2=25 µL**		**R1=42 µL**	
› **AU5800**	**R1=25 µL, R2=25 µL** With P-5P 3-part reagent*: **R1=25 µL R1-2=5 µL, R2=25 µL**		**R1=32 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **5 µL (Pediatric: 5 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.9 µL (Pediatric: 1.9 µL)** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **5 µL (Pediatric: 5 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **2.5 µL (Pediatric: 2.5 µL)** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **5 µL (Pediatric: 5 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.9 µL (Pediatric: 1.9 µL**) Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **3–1,000 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.05–16.67 µkat/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **2–45 mmol/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Male: **<50 U/L** Female: **<35 U/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Male: **<0.85 µkat/L** Female: **<0.6 µkat/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Adults: **21–31 mmol/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤7% CV or SD ≤1.5 mmol/L** Urine: **N/A** CSF: **N/A**
Comment(s)	*OSR60180		*Air-sensitive reagent, refer to IFU.	

	Calcium Arsenazo	Calcium oCPC
Abbreviation	**CALA**	**CA**
Kit: DxC 700 AU	**OSR60117** (4x890 tests) **OSR61117** (4x1,700 tests)	**OSR6113** (4x590 tests) **OSR6213** (4x1,080 tests)
Kit: AU480/AU680	**OSR60117** (4x700 tests) **OSR61117** (4x1,313 tests)	**OSR6113** (4x590 tests) **OSR6213** (4x1,080 tests)
Kit: AU5800	**OSR60117** (4x890 tests) **OSR61117** (4x1,700 tests) **OSR66117** (4x8,800 tests)	**OSR6113** (4x720 tests) **OSR6213** (4x1,310 tests)
Calibrator Part Number	Serum/Plasma: **66300, Urine: B64606**	Serum/Plasma: **66300,** Urine: **B64606**
Control Name (Part Number)	Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**	Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**
Measurement Principle	**Arsenazo III**	**o-Cresolphthalein Complexone (oCPC)**
Reaction Type	**End**	**End**
Primary Wavelength	**660 nm**	**570 nm**
Measuring Points	**0, 10**	**0, 27/0, 10**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**90 days**	**30 days***
Onboard Stability (AU5800)	**90 days**	**21 days***
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**Daily, depends on usage in laboratory***
Compatible Anticoagulants	**Heparin**	**Heparin**
Reagent Volume		
› **DxC 700 AU**	Serum: **R1=16 µL** Urine: **R1=16 µL**	Serum: **R1=45 µL, R2=45 µL** Urine: **R1=45 µL, R2=45 µL**
› **AU480/AU680**	Serum: **R1=21 µL** Urine: **R1=25 µL**	Serum: **R1=45 µL, R2=45 µL** Urine: **R1=45 µL, R2=45 µL**
› **AU5800**	Serum: **R1=16 µL** Urine: **R1=16 µL**	Serum: **R1=36 µL, R2=36 µL** Urine: **R1=36 µL, R2=36 µL**
Sample Type	**Serum/Plasma/Urine**	**Serum/Plasma/Urine**
› **DxC 700 AU**	Serum/Plasma: **1.9 µL (Pediatric: 2.5 µL)** Urine: **1.3 µL** CSF: **N/A**	Serum/Plasma: **3.7 µL (Pediatric: 3.7 µL)** Urine: **1.5 µL** CSF: **N/A**
› **AU480/AU680**	Serum/Plasma: **2.5 µL (Pediatric: 2.5 µL)** Urine: **2 µL** CSF: **N/A**	Serum/Plasma: **3.7 µL (Pediatric: 3.7 µL)** Urine: **1.5 µL** CSF: **N/A**
› **AU5800**	Serum/Plasma: **1.9 µL (Pediatric: 1.9 µL)** Urine: **1.3 µL** CSF: **N/A**	Serum/Plasma: **3 µL (Pediatric: 3 µL)** Urine: **1.2 µL** CSF: **N/A**

		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **4–20 mg/dL** Urine: **0–40 mg/dL** CSF: **N/A**	Serum/Plasma: **1–5 mmol/L** Urine: **0–10 mmol/L** CSF: **N/A**	Serum/Plasma: **0–18 mg/dL** Urine: **0–40 mg/dL** CSF: **N/A**	Serum/Plasma: **0–4.5 mmol/L** Urine: **0–10 mmol/L** CSF: **N/A**
Reference Interval	Serum/Plasma: Adults: **8.8–10.6 mg/dL** Urine: Female: **<250 mg/24 hrs** Male: **<300 mg/24 hrs** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **2.20–2.65 mmol/L** Urine: Female: **<6.2mmol/24 hrs** Male: **<7.5 mmol/24 hrs** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **8.8–10.6 mg/dL** Urine: Female: **<250 mg/24 hrs** Male: **<300 mg/24 hrs** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **2.20–2.65 mmol/L** Urine: Female: **<6.2 mmol/24 hrs** Male: **<7.5 mmol/24 hrs** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: **≤1.25% CV @ >14 mg/dL, SD ≤0.175 mg/dL @ ≤14 mg/dL** Urine: **≤2.0% or SD ≤0.28 mg/dL** CSF: **N/A**	Serum/Plasma: **≤1.25% CV @ >3.5 mmol/L, SD ≤0.044 mmol/L @ ≤3.5 mmol/L** Urine: **≤2.0% or SD ≤0.07 mmol/L** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **≤5% CV** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **≤5% CV** CSF: **N/A**
Comment(s)			*Air-sensitive reagent, refer to IFU.	

	Cholesterol	Creatine Kinase
Abbreviation	**CHOL**	**CK**
Kit: DxC 700 AU	**OSR6116** (4x910 tests) **OSR6216** (4x1,830 tests)	**OSR6179** (4x230 tests) **OSR6279** (4x490 tests)
Kit: AU480/AU680	**OSR6116** (4x910 tests) **OSR6216** (4x1,830 tests)	**OSR6179** (4x230 tests) **OSR6279** (4x490 tests)
Kit: AU5800	**OSR6116** (4x1,190 tests) **OSR6216** (4x2,380 tests) **OSR6616** (4x8,000 tests)	**OSR6179** (4x300 tests) **OSR6279** (4x640 tests)
Calibrator Part Number	**66300**	**66300**
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**	**Control Serum 1 & 2 (ODC0003, ODC0004)**
Measurement Principle	**CHO-POD**	**IFCC-CK (NAC)**
Reaction Type	**End**	**Rate**
Primary Wavelength	**540 nm**	**340 nm**
Measuring Points	**0, 27**	**21, 27**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**90 days**	**30 days**
Onboard Stability (AU5800)	**90 days**	**30 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**Run in MB mode**
Compatible Anticoagulants	**EDTA, Heparin**	**Heparin**
Reagent Volume		
› **DxC 700 AU**	**R1=24 µL**	**R1=100 µL, R2=25 µL**[1]
› **AU480/AU680**	**R1=24 µL**	**R1=100 µL, R2=25 µL**[1]
› **AU5800**	**R1=18 µL**	**R1=75 µL, R2=19 µL**[1]
Sample Type	**Serum/Plasma**	**Serum/Plasma**
› **DxC 700 AU**	Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **2.5 µL** Urine: **N/A** CSF: **N/A**
› **AU480/AU680**	Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **2.5 µL** Urine: **N/A** CSF: **N/A**
› **AU5800**	Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1.9 µL** Urine: **N/A** CSF: **N/A**

		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **20–700 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.5–18.0 mmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **10–2000 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.17–33.33 µkat/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Desirable: **<200 mg/dL** Borderline High: **200–239 mg/dL** High **≥240 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Desirable: **<5.2 mmol/L** Borderline High: **5.2–6.2 mmol/L** High: **≥6.2 mmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Male: **≤171 U/L** Female: **≤145 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Male: **≤2.85 µkat/L** Female: **≤2.42 µkat/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum/Plasma: **<3% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤3% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**
Comment(s)			[1]Transfer R1-2 into R1-1 and mix by gentle inversion.	

	Creatinine		Creatinine (Enzymatic)	
Abbreviation	**CRE**		**CREZ**	
Kit: DxC 700 AU	**OSR6178** (4x990 tests)		**OSR61204** (4x360 tests)	
Kit: AU480/AU680	**OSR6178** (4x990 tests)		**OSR61204** (4x360 tests)	
Kit: AU5800	**OSR6178** (4x1,215 tests) **OSR6678** (4x3,800 tests)		**OSR61204** (4x450 tests)	
Calibrator Part Number	Serum/Plasma: **66300,** Urine: **B64606**		Serum/Plasma: **66300,** Urine: **B64606**	
Control Name (Part Number)	Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**		Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**	
Measurement Principle	**Modified Jaffe, Kinetic**		**Enzymatic**	
Reaction Type	**Fixed**		**End**	
Primary Wavelength	**520 nm**		**600 nm**	
Measuring Points	**13, 24**		**0, 27/0, 10**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**7 days**		**60 days**	
Onboard Stability (AU5800)	**7 days**		**60 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**Daily Calibration***		Serum/Plasma: **14 days** Urine: **30 days**	
Compatible Anticoagulants	**EDTA, Heparin**		**Heparin**	
Reagent Volume				
› **DxC 700 AU**	Serum/Plasma: **R1=48 µL, R2=48 µL** Urine: **R1=47 µL, R2=47 µL**		Serum/Plasma: **R1=120 µL, R2=40 µL** Urine: **R1=150 µL, R2=50 µL**	
› **AU480/AU680**	Serum/Plasma: **R1=48 µL, R2=48 µL** Urine: **R1=47 µL, R2=47 µL**		Serum/Plasma: **R1=120 µL, R2=40 µL** Urine: **R1=150 µL, R2=50 µL**	
› **AU5800**	Serum/Plasma: **R1=36 µL, R2=36 µL** Urine: **R1=35 µL, R2=35 µL**		Serum/Plasma: **R1=90 µL, R2=30 µL** Urine: **R1=150 µL, R2=50 µL**	
Sample Type	**Serum/Plasma/Urine**		**Serum/Plasma/Urine**	
› **DxC 700 AU**	Serum/Plasma: **8 µL (Pediatric: 8 µL)** Urine: **1.6 µL** CSF: **N/A**		Serum/Plasma: **5.6 µL** Urine: **1 µL** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **8 µL (Pediatric: 8 µL)** Urine: **1.6 µL** CSF: **N/A**		Serum/Plasma: **5.6 µL** Urine: **1 µL** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **6 µL (Pediatric: 6 µL)** Urine: **1.2 µL** CSF: **N/A**		Serum/Plasma: **4.2 µL** Urine: **1 µL** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: Method A: **0.06–25.0 mg/dL** Method B: **0.2–25.0 mg/dL** Urine: **1–400 mg/dL** CSF: **N/A**	Serum/Plasma: Method A: **5–2,200 µmol/L** Method B: **18–2,200 µmol/L** Urine: **88–35360 µmol/L** CSF: **N/A**	Serum/Plasma: **0.05–50.00 mg/dL** Urine: **1–500 mg/dL** CSF: **N/A**	Serum/Plasma: **4.4–4,420 µmol/L** Urine: **88–44,200 µmol/L** CSF: **N/A**
Reference Interval	Serum/Plasma: Method A: Male: **0.67–1.17 mg/dL** Female: **0.51–0.95 mg/dL** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Method B: Male: <50 years: **0.84–1.25 mg/dL** Female: **0.66–1.09 mg/dL** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Method A: Male: **59–104 µmol/L** Female: **45–84 µmol/L** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Method B: Male: <50 years: **74–110 µmol/L** Male: >50 years: **72–127 µmol/L** Female: **58–96 µmol/L** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Male: **0.72–1.18 mg/dL** Female: **0.55–1.02 mg/dL** Urine: Male: **14–26 mg/kg/24 hrs** Female: **11–20 mg/kg/24 hrs** CSF: **N/A**	Serum/Plasma: Male: **64–104 µmol/L** Female: **49–90 µmol/L** Urine: Male: **124–230 µmol/kg/24 hrs** Female: **97–177 µmol/kg/24 hrs** CSF: **N/A**
	Urine: Method A/B: Male: **14–26 mg/kg/24 hrs** Female: **11–20 mg/kg/24 hrs** CSF: **N/A**		Urine: Method A/B: Male: **124–230 µmol/kg/24 hrs** Female: **97–177 µmol/kg/24 hrs** CSF: **N/A**			
Precision Specification	Serum/Plasma: **≤5% CV** Urine: **≤5% CV** CSF: **N/A**		Serum/Plasma: **≤5% CV** Urine: **≤5% CV** CSF: **N/A**		Serum/Plasma: **≤5% CV** Urine: **≤5% CV** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **≤5% CV** CSF: **N/A**
Comment(s)	Method A: Kinetic Jaffe (compensated method) traceable to the IDMS reference method. Method B: Kinetic Jaffe uncompensated. *Run QC every 8 hours. Air-sensitive reagent, refer to IFU.					

	Direct Bilirubin		Gamma-glutamyltransferase	
Abbreviation	**DBIL**[1]		**GGT**	
Kit: DxC 700 AU	**OSR6111** (4x230 tests) **OSR6211** (4x780 tests)		**OSR6020** (4x250 tests) **OSR6120** (4x650 tests)	
Kit: AU480/AU680	**OSR6111** (4x230 tests) **OSR6211** (4x780 tests)		**OSR6020** (4x250 tests) **OSR6120** (4x650 tests)	
Kit: AU5800	**OSR6111** (4x310 tests) **OSR6211** (4x1,050 tests) **OSR6611** (4x7,600 tests)		**OSR6020** (4x325 tests) **OSR6120** (4x810 tests) **OSR6620** (4x3,000 tests)	
Calibrator Part Number	**66300**		**66300**	
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**		**Control Serum 1 & 2 (ODC0003, ODC0004)**	
Measurement Principle	**DPD**		**IFCC**	
Reaction Type	**End, Sample Blank (2 cuvettes)**		**Rate**	
Primary Wavelength	**570 nm**		**410 nm**	
Measuring Points	**0, 2**		**16, 23**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**21 days**		**30 days**	
Onboard Stability (AU5800)	**21 days**		**30 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**21 days**		**Run in MB mode**	
Compatible Anticoagulants	**Heparin**		**EDTA, Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=25 µL** Pediatric: **R1=27 µL**		**R1=64 µL, R2=64 µL**	
› **AU480/AU680**	**R1=25 µL** Pediatric: **R1 =27 µL**		**R1=64 µL, R2=64 µL**	
› **AU5800**	Serum/Plasma: **R1=19 µL** Pediatric: **R1=20 µL**		Serum/Plasma: **R1=48 µL, R2=48 µL** Pediatric: **R1=64 µL, R2=64 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **2.5 µL (Pediatric: 2.7 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **4 µL (Pediatric: 4 µL)** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **2.5 µL (Pediatric: 2.7 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **4 µL (Pediatric: 4 µL)** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **1.9 µL (Pediatric: 2 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **3 µL (Pediatric: 4 µL)** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **0–10 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0–171 µmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **5–1,200 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.08–20.00 µkat/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Adults and children: **<0.2 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Adults and children: **<3.4 µmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Male: **<55 U/L** Female: **<38 U/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Male: **<0.92 µkat/L** Female: **<0.63 µkat/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: **≤7.5% CV or SD ≤0.23 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤7.5% CV or SD ≤3.9 µmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**
Comment(s)	Both a color test DBIL-C and blank test DBIL-B to be run.			

	Glucose		HDL Cholesterol	
Abbreviation	**GLU**		**HDL-C**	
Kit: DxC 700 AU	**OSR6121** (4x810 tests) **OSR6221** (4x1,600 tests)		**OSR6187** (4x185 tests) **OSR6287** (4x350 tests)	
Kit: AU480/AU680	**OSR6121** (4x610 tests) **OSR6221** (4x1,300 tests)		**OSR6187** (4x185 tests) **OSR6287** (4x350 tests)	
Kit: AU5800	**OSR6121** (4x810 tests) **OSR6221** (4x1,600 tests) **OSR6621** (4x4,700 tests)		**OSR6187** (4x240 tests) **OSR6287** (4x455 tests) **OSR6687** (4x1,100 tests)	
Calibrator Part Number	Serum/Plasma/CSF/Hemolysate: **66300** Urine: **B64606**		**ODC0011**	
Control Name (Part Number)	Serum/Plasma/Hemolysate: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system** CSF: **N/A**		**HDL/LDL-Cholesterol Control Serum Levels 1 & 2 (ODC0005)**	
Measurement Principle	**Hexokinase**		**Enzymatic Immunoinhibition**	
Reaction Type	**End**		**End**	
Primary Wavelength	**340 nm**		**600 nm**	
Measuring Points	**0, 27/0, 10**		**0, 27/0, 10**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**30 days**		**30 days**	
Onboard Stability (AU5800)	**30 days**		**30 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**30 days**		Reagent blank: **7 days** Calibration: **30 days**	
Compatible Anticoagulants	**EDTA, Heparin**		**Heparin**	
Reagent Volume				
› **DxC 700 AU**	Serum/Plasma/CSF/Hemolysate/Urine: **R1=30 µL, R2=15 µL** Pediatric: **R1=40 µL, R2=20 µL**		**R1=144 µL, R2=48 µL**	
› **AU480/AU680**	Serum/Plasma/CSF/Hemolysate: **R1=40 µL, R2=20 µL** Urine: **R1=30 µL, R2=15 µL**		**R1=144 µL, R2=48 µL**	
› **AU5800**	**R1=30 µL, R2=15 µL**		**R1=108 µL, R2=36 µL**	
Sample Type	**Serum/Plasma/Urine/CSF/Hemolysate**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **1.2 µL (Pediatric: 1.6 µL)** Urine: **1.2 µL** CSF: **1.2 µL Hemolysate: 12 µL**		Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **1.2 µL** CSF: **1.6 µL** Hemolysate: **16 µL**		Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **1.2 µL (Pediatric: 1.2 µL)** Urine: **1.2 µL** CSF: **1.2 µL** Hemolysate: **12 µL**		Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **10–800 mg/dL** Urine: **1–800 mg/dL** CSF: **10–800 mg/dL** Hemolysate: **10–800 mg/dL**	Serum/Plasma: **0.6–45.0 mmol/L** Urine: **0–45.0 mmol/L** CSF: **0.6–45.0 mmol/L** Hemolysate: **0.6–45.0 mmol/L**	Serum/Plasma: **2–180 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.05–4.65 mmol/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Adults: **74–106 mg/dL** Urine: **1–15 mg/dL** CSF: **40–70 mg/dL** Hemolysate: **60–100 mg/dL** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **4.1–5.9 mmol/L** Urine**: 0.1–0.8 mmol/L** CSF: **2.2–3.9 mmol/L** Hemolysate: **3.3–5.5 mmol/L** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Low HDL: **<40 mg/dL** High HDL: **≥60 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Low HDL: **<1.03 mmol/L** High HDL: **≥1.55 mmol/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum/Plasma: **≤3% CV** Urine: **≤3% CV** CSF: **≤3% CV** Hemolysate: **≤5% CV**	Serum/Plasma: **≤3% CV** Urine: **≤3% CV** CSF: **≤3% CV** Hemolysate: **≤5% CV**	Serum/Plasma: **≤4% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤4% CV** Urine: **N/A** CSF: **N/A**
Comment(s)				

	Hydroxybutyrate Dehydrogenase		Iron	
Abbreviation	**HBDH**		**IRON**	
Kit: DxC 700 AU	**OSR6129** (4x230 tests)		**OSR6186** (4x500 tests) **OSR6286** (4x937 tests)	
Kit: AU480/AU680	**OSR6129** (4x230 tests)		**OSR6186** (4x500 tests) **OSR6286** (4x970 tests)	
Kit: AU5800	**OSR6129** (4x230 tests)		**OSR6186** (4x500 tests) **OSR6286** (4x937 tests)	
Calibrator Part Number	**66300**		**66300**	
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**		**Control Serum 1 & 2 (ODC0003, ODC0004)**	
Measurement Principle	**GSCC**		**TPTZ**	
Reaction Type	**Rate**		**End**	
Primary Wavelength	**340 nm**		**600 nm**	
Measuring Points	**13, 27**		**0, 12/0, 10**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**30 days**		**60 days**	
Onboard Stability (AU5800)	**30 days**		**60 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**Run in MB mode**		**User-defined**	
Compatible Anticoagulants	**Heparin**		**Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=63 µL, R2=63 µL**		**R1=30 µL, R2=30 µL**	
› **AU480/AU680**	**R1=63 µL, R2=63 µL**		**R1=30 µL, R2=30 µL**	
› **AU5800**	**R1=63 µL, R2=63 µL**		**R1=30 µL, R2=30 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **2.5 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **12 µL (Pediatric: 12 µL)** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **2.5 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **12 µL (Pediatric: 12 µL)** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **2.5 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **12 µL**[1] Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **40–1,000 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.67–16.67 µkat/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **10-1,000 µg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **2-179 µmol/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Adults**: 90–180 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Adults: **1.5–3.0 µkat/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Male: **70-180 µg/dL** Female: **60-180 µg/dL** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Male: **12.5-32.2 µmol/L** Female: **10.7-32.2 µmol/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**
Comment(s)			[1]Pediatric settings not available for AU5800.	

	LDL Cholesterol	Lactate Dehydrogenase (IFCC)
Abbreviation	**LDL-C**	**LDH28**
Kit: DxC 700 AU	**OSR6183** (4x185 tests) **OSR6283** (4x350 tests)	**OSR6128** (4x640 tests)
Kit: AU480/AU680	**OSR6183** (4x185 tests) **OSR6283** (4x350 tests)	**OSR6128** (4x640 tests)
Kit: AU5800	**OSR6183** (4x240 tests) **OSR6283** (4x455 tests)	**OSR6128** (4x830 tests)
Calibrator Part Number	**ODC0012**	**66300**
Control Name (Part Number)	**HDL/LDL-Cholesterol Control Serum Levels 1 & 2 (ODC0005)**	**Control Serum 1 & 2 (ODC0003, ODC0004)**
Measurement Principle	**Enzymatic Selective Protection**	**LDH (L-P) IFCC**
Reaction Type	**End**	**Rate**
Primary Wavelength	**600 nm**	**340 nm**
Measuring Points	**0, 27/0, 10**	**15, 23**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**30 days**	**21 days**
Onboard Stability (AU5800)	**30 days**	**21 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	Reagent Blank: **7 days** Calibration: **30 days**	**User-defined***
Compatible Anticoagulants	**Heparin**	**Heparin**
Reagent Volume		
› **DxC 700 AU**	**R1=144 µL, R2=48 µL**	**R1=62 µL, R2=31 µL**
› **AU480/AU680**	**R1=144 µL, R2=48 µL**	**R1=62 µL, R2=31 µL**
› **AU5800**	**R1=108 µL, R2=36 µL**	Serum/Plasma: **R1=48 µL, R2=24 µL** Pediatric: **R1=62 µL, R2=31 µL**
Sample Type	**Serum/Plasma**	**Serum/Plasma**
› **DxC 700 AU**	Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **2.3 µL (Pediatric: 2.3 µL)** Urine: **N/A** CSF: **N/A**
› **AU480/AU680**	Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **2.3 µL (Pediatric: 2.3 µL)** Urine: **N/A** CSF: **N/A**
› **AU5800**	Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1.8 µL (Pediatric: 2.3 µL)** Urine: **N/A** CSF: **N/A**

		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **10–400 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.26–10.3 mmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **25–1,200 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.4–20.0 µkat/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Optimal: **<2.6 mmol/L** Near optimal/Above optimal: **2.6-3.3 mmol/L** Borderline high: **3.4–4.1 mmol/L** High: **4.1–4.9 mmol/L** Very high: **≥4.9 mmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Optimal: **<100 mg/dL** Near optimal/Above optimal: **100-129 mg/dL** Borderline high: **130–159 mg/dL** High: **160–189 mg/dL** Very high: **≥190 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Male: **<248 U/L** Female: **<247 U/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Male: **<4.13 µkat/L** Female: **<4.12 µkat/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: **≤4% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤4% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**
Comment(s)			*Refer to IFU for further instruction.	

	Lactate Dehydrogenase (SCE)		Lipase	
Abbreviation	**LDH26**		**LIP**	
Kit: DxC 700 AU	**OSR6126** (4x820 tests)		**OSR6130** (4x70 tests) **OSR6230** (4x230 tests)	
Kit: AU480/AU680	**OSR6126** (4x820 tests)		**OSR6130** (4x50 tests) **OSR6230** (4x180 tests)	
Kit: AU5800	**OSR6126** (4x1,080 tests)		**OSR6130** (4x70 tests) **OSR6230** (4x230 tests)	
Calibrator Part Number	**66300**		**Included in kit or 66300**	
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**		**Control Serum 1 & 2 (ODC0003, ODC0004)**	
Measurement Principle	**SCE, LDH (P-L)**		**Colorimetric**	
Reaction Type	**Rate**		**Rate**	
Primary Wavelength	**340 nm**		**540 nm**	
Measuring Points	**13, 27**		**17, 27**	
Liquid or Lyophilized	**Liquid**		**Liquid/Lyophilized**	
Onboard Stability	**30 days**		**21 days**	
Onboard Stability (AU5800)	**30 days**		**21 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**Run in MB mode**		**7 days**	
Compatible Anticoagulants	**Heparin**		**Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=60 µL, R2=30 µL**		**R1=108 µL, R2=36 µL**[1]	
› **AU480/AU680**	**R1=60 µL, R2=30 µL**		**R1=144 µL, R2=48 µL**[1]	
› **AU5800**	**R1=44 µL, R2=22 µL**		**R1=108 µL, R2=36 µL**[1]	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **1.8 µL (Pediatric: 1.8 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **1.8 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **1.3 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **50–3,000 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.8–50 µkat/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **3–600 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.05–10 µkat/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Adults: **208–378 U/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **3.47–6.3 µkat/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **<67 U/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **<1.12 µkat/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**
Comment(s)			[1]Dissolve contents of 1 vial of R1 with the contents of 1 vial of R1 buffer.	

	Lipase NG	Magnesium
Abbreviation	**LPS**	**MG**
Kit: DxC 700 AU	**B82715** (2x225 tests)	**OSR6189** (4x250 tests)
Kit: AU480/AU680	**B82715** (2x225 tests)	**OSR6189** (4x250 tests)
Kit: AU5800	**Not available**	**OSR6189** (4x250 tests)
Calibrator Part Number	**B83544**	Serum/Plasma: **66300,** Urine: **B64606**
Control Name (Part Number)	**No specific recommendation**	Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**
Measurement Principle	**Methylresorufin (DGGR)**	**Xylidyl Blue, Colourimetric, Tris-buffer**
Reaction Type	**Fixed**	**End**
Primary Wavelength	**570**	**520 nm**
Measuring Points	**13, 20**	**0, 10**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**30 days**	**14 days**
Onboard Stability (AU5800)	**-**	**14 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**30 days**	**7 days**
Compatible Anticoagulants	**Lithium or Sodium Heparin**	**Heparin**
Reagent Volume		
› **DxC 700 AU**	**R1=200 µl, R2=70 µl**	Serum: **R1=160 µL** Urine: **R1=170 µL**
› **AU480/AU680**	**R1=200 µl, R2=70 µl**	Serum: **R1=160 µL** Urine: **R1=200 µL**
› **AU5800**	**Not available**	Serum: **R1=160 µL** Urine: **R1=170 µL**
Sample Type	**Serum/Plasma**	**Serum/Plasma/Urine**
› **DxC 700 AU**	**2 µl**	Serum/Plasma: **1.6 µL** Urine: **1 µL** CSF: **N/A**
› **AU480/AU680**	**2 µl**	Serum/Plasma: **1.6 µL** Urine: **1 µL** CSF: **N/A**
› **AU5800**	**Not available**	Serum/Plasma: **1.6 µL** Urine: **1 µL** CSF: **N/A**

		SI Units		SI Units
Analytical Measurement Range	Serum/Plasma: **4-300 U/L** Urine: **Normal:–N/A** CSF: **N/A**		Serum/Plasma: **0.5–8.0 mg/dL** Urine: All analyzers except AU5800 & DxC 700 AU: **0.5–22.5 mg/dL** AU5800/DxC 700 AU: **0.5–18.9 mg/dL** CSF: **N/A**	Serum/Plasma: **0.2–3.3 mmol/L** Urine: All analyzers except AU5800 & DxC 700 AU: **0.2–9.25 mmol/L** AU5800/DxC 700 AU: **0.2–7.8 mmol/L** CSF: **N/A**
Reference Interval	Serum/Plasma: **≤60 U/L** Urine: **Normal: N/A** CSF: **N/A**		Serum/Plasma: Male: **1.8–2.6 mg/dL** Female: **1.9–2.5 mg/dL** Urine: **73–122 mg/24 hrs** CSF: **N/A**	Serum/Plasma: Male: **0.73–1.06 mmol/L** Female: **0.77–1.03 mmol/L** Urine: **3–5 mmol/24 hrs** CSF: **N/A**
Precision Specification	Serum/Plasma: Intra assay: **≤3% CV, Inter assay ≤5% CV on Dx 700 AU**		Serum/Plasma: **≤5% CV** Urine: **≤5% CV** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **≤5% CV** CSF: **N/A**
Comment(s)				

	Phosphorus (Inorganic)		Total Bilirubin	
Abbreviation	**PHOS**		**TBIL**[1]	
Kit: DxC 700 AU	**OSR6122** (4x590 tests) **OSR6222** (4x1,570 tests)		**OSR6112** (4x590 tests) **OSR6212** (4x1,570 tests)	
Kit: AU480/AU680	**OSR6122** (4x590 tests) **OSR6222** (4x1,570 tests)		**OSR6112** (4x590 tests) **OSR6212** (4x1,570 tests)	
Kit: AU5800	**OSR6122** (4x790 tests) **OSR6222** (4x2,100 tests)		**OSR6112** (4x750 tests) **OSR6212** (4x2,020 tests) **OSR6612** (4x7,300 tests)	
Calibrator Part Number	Serum/Plasma: **66300,** Urine: **B64606**		**66300**	
Control Name (Part Number)	Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**		**Control Serum 1 & 2 (ODC0003, ODC0004)**	
Measurement Principle	**Phosphomolybdate Complex**		**DPD**	
Reaction Type	**End**		**End, Sample Blank (2 cuvette)**	
Primary Wavelength	**340 nm**		**540 nm**	
Measuring Points	**0, 27/0, 10**		**0, 10**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**30 days**		**90 days**	
Onboard Stability (AU5800)	**30 days**		**90 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**30 days**		**User-defined**	
Compatible Anticoagulants	**Heparin**		**EDTA, Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=25 µL, R2=25 µL**		**R1=25 µL** Pediatric: **R1=26 µL**	
› **AU480/AU680**	**R1=25 µL, R2=25 µL**		**R1=25 µL** Pediatric: **R1=26 µL**	
› **AU5800**	**R1=19 µL, R2=19 µL**		**R1=20 µL**	
Sample Type	**Serum/Plasma/Urine**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **2.5 µL** Urine: **1.7 µL of a 1/10 predilution** CSF: **N/A**		Serum/Plasma: **5 µL (Pediatric: 5 µL)** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **2.5 µL** Urine: **1.7 µL of a 1/10 predilution** CSF: **N/A**		Serum/Plasma: **5 µL (Pediatric: 5 µL)** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **1.9 µL** Urine: **1.3 µL of a 1/10 predilution** CSF: **N/A**		Serum/Plasma: **4 µL (Pediatric: 3.8 µL)** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **1–20 mg/dL** Urine: **0–350 mg/dL** CSF: **N/A**	Serum/Plasma: **0.32–6.40 mmol/L** Urine: **0–113 mmol/L** CSF: **N/A**	Serum/Plasma: **0–30 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0–513 µmol/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: **2.5–4.5 mg/dL** Urine: **0.4–1.3 g/24 hrs** CSF: **N/A**	Serum/Plasma: **0.81–1.45 mmol/L** Urine: **12.9–42 mmol/24 hrs** CSF: **N/A**	Serum/Plasma: Adults: **0.3–1.2 mg/dL** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **5–21 µmol/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: **≤5% CV** Urine: **≤5% CV or SD 2.48 mg/dL @ ≤46.5 mg/dL** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **≤5% CV or SD ≤0.8 mmol/L @ ≤15 mmol/L** CSF: **N/A**	Serum/Plasma: **≤5% CV or SD ≤0.10 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV or SD ≤1.71 µmol/L** Urine: **N/A** CSF: **N/A**
Comment(s)			[1]Both a color test TBIL-C and blank test TBIL-B need to be run.	

	Total Protein		Triglyceride	
Abbreviation	**TP**		**TRIG**	
Kit: DxC 700 AU	**OSR6132** (4x750 tests) **OSR6232** (4x1,440 tests)		**OSR60118** (4x280 tests) **OSR61118** (4x750 tests)	
Kit: AU480/AU680	**OSR6132** (4x750 tests) **OSR6232** (4x1,440 tests)		**OSR60118** (4x290 tests) **OSR61118** (4x750 tests)	
Kit: AU5800	**OSR6132** (4x980 tests) **OSR6232** (4x1,880 tests) **OSR6632** (4x6,000 tests)		**OSR60118** (4x280 tests) **OSR61118** (4x750 tests) **OSR66118** (4x2,100 tests)	
Calibrator Part Number	**66300**		**66300**	
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**		**Control Serum 1 & 2 (ODC0003, ODC0004)**	
Measurement Principle	**Biuret**		**GPO-POD**	
Reaction Type	**End**		**End**	
Primary Wavelength	**540 nm**		**660 nm**	
Measuring Points	**0, 27/0, 10**		**0, 27/0, 10**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**30 days***		**30 days**	
Onboard Stability (AU5800)	**21 days***		**30 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**User-defined***		**30 days**	
Compatible Anticoagulants	**EDTA, Heparin**		**EDTA, Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=33 µL, R2=33 µL**		**R1=66 µL, R2=17 µL**	
› **AU480/AU680**	**R1=33 µL, R2=33 µL**		**R1=66 µL, R2=17 µL**	
› **AU5800**	**R1=25 µL, R2=25 µL**		**R1=66 µL, R2=17 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **5 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **5 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **3 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **3–12 g/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **30–120 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **10–1,000 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.1–11.3 mmol/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: **6.6–8.3 g/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **66–83 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Normal: **<150 mg/dL** Borderline high: **150–199 mg/dL** High: **200–499 mg/dL** Very high: **≥ 500 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Normal: **<1.7 mmol/L** Borderline high: **1.70–2.25 mmol/L** High: **2.26–5.64 mmol/L** Very high: **≥ 5.65 mmol/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum/Plasma: **≤4% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤4% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**
Comment(s)	*Depends on usage pattern in laboratory. Air-sensitive reagent, refer to IFU.			

	Unsaturated Iron-Binding Capacity	Urea
Abbreviation	**UIBC**	**UREA**
Kit: DxC 700 AU	**OSR61205** (4x200 tests)	**OSR6134** (4x610 tests) **OSR6234** (4x1,230 tests)
Kit: AU480/AU680	**OSR61205** (4x200 tests)	**OSR6134** (4x620 tests) **OSR6234** (4x1,230 tests)
Kit: AU5800	**OSR61205** (4x200 tests)	**OSR6134** (4x610 tests) **OSR6234** (4x1,230 tests) **OSR6634** (4x3,700 tests)
Calibrator Part Number	**66300**	Serum/Plasma: **66300,** Urine: **B64606**
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**	Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**
Measurement Principle	**Nitroso-PSAP**	**GLDH, Kinetic Assay**
Reaction Type	**End**	**Rate**
Primary Wavelength	**800 nm**	**340 nm**
Measuring Points	**0, 27/0, 10**	**12, 18**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**30 days**	**30 days**
Onboard Stability (AU5800)	**30 days**	**30 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**14 days**	**User-defined***
Compatible Anticoagulants	**Heparin**	**EDTA, Lithium Heparin**
Reagent Volume		
› DxC 700 AU	**R1=120 µL, R2=24 µL[1]**	**R1=40 µL, R2=40 µL**
› AU480/AU680	**R1=120 µL, R2=24 µL[1]**	**R1=40 µL, R2=40 µL**
› AU5800	**R1=120 µL, R2=24 µL[1]**	**R1=40 µL, R2=40 µL**
Sample Type	**Serum/Plasma**	**Serum/Plasma/Urine**
› DxC 700 AU	Serum/Plasma: **8 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **2 µL (Pediatric: 2 µL)** Urine: **1.6 µL of a 1/10 predilution** CSF: **N/A**
› AU480/AU680	Serum/Plasma: **8 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **2 µL (Pediatric: 2 µL)** Urine: **1.6 µL of a 1/10 predilution** CSF: **N/A**
› AU5800	Serum/Plasma: **8 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **2 µL (Pediatric: 2 µL)** Urine: **1.6 µL of a 1/10 predilution** CSF: **N/A**

		SI Units		SI Units
Analytical Measurement Range	Serum/Plasma: **55–550 µg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **10–100 µmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **5–300 mg/dL** Urine: **60–4,500 mg/dL** CSF: **N/A**	Serum/Plasma: **0.8–50.0 mmol/L** Urine: **10–750 mmol/L** CSF: **N/A**
Reference Interval	Serum/Plasma: **155–355 µg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **27.8–63.6 µmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Adults: **17–43 mg/dL** Urine: **15,000–34,200 mg/24 hrs** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **2.8–7.2 mmol/L** Urine: **250–570 mmol/24 hrs** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.
Precision Specification	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **≤10% CV** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **≤10% CV** CSF: **N/A**
Comment(s)	[1]Transfer R1a into R1 and R2a into R2.		*Depends on usage pattern in laboratory; refer to IFU.	

	Urea - STAT		Uric Acid	
Abbreviation	**UREAS**		**UA**	
Kit: DxC 700 AU	**OSR6141** (4x615 tests)		**OSR6098** (4x250 tests) **OSR6198** (4x625 tests) **OSR6298** (4x880 tests)	
Kit: AU480/AU680	**OSR6141** (4x620 tests)		**OSR6098** (4x250 tests) **OSR6198** (4x625 tests) **OSR6298** (4x880 tests)	
Kit: AU5800	**OSR6141** (4x615 tests) **OSR6641** (4x1,900 tests)		**OSR6098** (4x320 tests) **OSR6198** (4x800 tests) **OSR6298** (4x1,140 tests) **OSR6698** (4x2,700 tests)	
Calibrator Part Number	Serum/Plasma: **66300,** Urine: **B64606**		Serum/Plasma: **66300,** Urine: **B64606**	
Control Name (Part Number)	Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**		Serum/Plasma: **Control Serum 1 & 2 (ODC0003, ODC0004)** Urine: **Control materials with values determined on the Beckman Coulter system**	
Measurement Principle	**GLDH, Kinetic Assay**		**Uricase PAP**	
Reaction Type	**Rate**		**End**	
Primary Wavelength	**340 nm**		**660 nm**	
Measuring Points	**2, 6**		**0, 27/0, 10**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**21 days**		**30 days**	
Onboard Stability (AU5800)	**21 days**		**30 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**User-defined***		**30 days**	
Compatible Anticoagulants	**EDTA, Lithium Heparin**		**EDTA, Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=80 µL**[1]		**R1=48 µL, R2=20 µL**	
› **AU480/AU680**	**R1=80 µL**[1]		**R1=48 µL, R2=20 µL**	
› **AU5800**	**R1=80 µL**[1]		Serum/Plasma: **R1=36 µL, R2=15 µL** Urine: **R1=48 µL, R2=20 µL**	
Sample Type	**Serum/Plasma/Urine**		**Serum/Plasma/Urine**	
› **DxC 700 AU**	Serum/Plasma: **2 µL** Urine: **1.6 µL µL of a 1/10 predilution** CSF: **N/A**		Serum/Plasma: **5.6 µL** Urine: **1.2 µL** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **2 µL** Urine: **1.6 µL of a 1/10 predilution** CSF: **N/A**		Serum/Plasma: **5.6 µL** Urine: **1.2 µL** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **2 µL** Urine: **1.6 µL of a 1/10 predilution** CSF: **N/A**		Serum/Plasma: **4.2 µL** Urine: **1.2 µL** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **5–300 mg/dL** Urine: **60–4,500 mg/dL** CSF: **N/A**	Serum/Plasma: **0.8–50.0 mmol/L** Urine: **10–750 mmol/L** CSF: **N/A**	Serum/Plasma: **1.5–30 mg/dL** Urine: **2–400 mg/dL** CSF: **N/A**	Serum/Plasma: **89–1,785 µmol/L** Urine: **119–23,800 µmol/L** CSF: **N/A**
Reference Interval	Serum/Plasma: **17–43 mg/dL** Urine: **15,000–34,200 mg/24 hrs** CSF: **N/A**	Serum/Plasma: **2.8–7.2 mmol/L** Urine: **250–570 mmol/24 hrs**	Serum/Plasma: Male: **3.5–7.2 mg/dL** Female: **2.6–6.0 mg/dL** Urine: **250–750 mg/24 hrs** CSF: **N/A**	Serum/Plasma: Male: **208.3–428.4 µmol/L** Female: **154.7–357.0 µmol/L** Urine: **1,488–4,463 µmol/24 hrs** CSF: **N/A**
Precision Specification	Serum/Plasma: **≤5% CV** Urine: **≤5% CV** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **≤5% CV** CSF: **N/A**	Serum/Plasma: **≤3% CV** Urine: **≤5% CV** CSF: **N/A**	Serum/Plasma: **≤3% CV** Urine: **≤5% CV** CSF: **N/A**
Comment(s)	*Depends on pattern usage in laboratory; refer to IFU. [1]Slowly add contents of R1–2 to R1, mix gently by inversion.			

Urinary/CSF Protein

Abbreviation	**UCSFP**	
Kit: DxC 700 AU	**OSR6170** (4x125 tests)	
Kit: AU480/AU680	**OSR6170** (4x125 tests)	
Kit: AU5800	**OSR6170** (4x165 tests)	
Calibrator Part Number	Urine/CSF: **Included in kit**	
Control Name (Part Number)	Urine: **Control materials with values determined on the Beckman Coulter system** CSF: **Control materials with values determined on the Beckman Coulter system**	
Measurement Principle	**Pyrogallol Red Molybdate**	
Reaction Type	**End**	
Primary Wavelength	**600 nm**	
Measuring Points	**0, 10**	
Liquid or Lyophilized	**Liquid**	
Onboard Stability	**90 days**	
Onboard Stability (AU5800)	**90 days**	
Storage Temperature	**+2 to +8° C**	
Calibration Frequency	**User-defined**	
Compatible Anticoagulants	**N/A**	
Reagent Volume		
› **DxC 700 AU**	**R1=152 µL**	
› **AU480/AU680**	**R1=152 µL**	
› **AU5800**	**R1=114 µL**	
Sample Type	**Urine/CSF**	
› **DxC 700 AU**	Serum/Plasma: **N/A** Urine: **1.6 µL** CSF: **1.6 µL**	
› **AU480/AU680**	Serum/Plasma: **N/A** Urine: **1.6 µL** CSF: **1.6 µL**	
› **AU5800**	Serum/Plasma: **N/A** Urine: **1.2 µL** CSF: **1.2 µL**	
		SI Units
Analytical Measurement Range	Serum/Plasma: **N/A** Urine: **1–200 mg/dL** CSF: **1–200 mg/dL**	Serum/Plasma: **N/A** Urine: **0.01–2.00 g/L** CSF: **0.01–2.00 g/L**
Reference Interval	Serum/Plasma: **N/A** Urine: **50–80 mg/24 hrs at rest** CSF: Adults: **15–45 mg/dL**	Serum/Plasma: **N/A** Urine: **0.05–0.08 g/24 hrs at rest** CSF: Adults: **0.15–0.45 g/L**
Precision Specification	Serum/Plasma: **N/A** Urine: **≤10% CV** CSF: **≤10% CV**	Serum/Plasma: **N/A** Urine: **≤10% CV** CSF: **≤10% CV**
Comment(s)		

	Alpha-1-Acidglycoprotein		Alpha-1-Antitrypsin	
Abbreviation	**AAG**		**AAT**	
Kit: DxC 700 AU	**OSR6162** (4x160 tests)		**OSR6163** (4x160 tests)	
Kit: AU480/AU680	**OSR6162** (4x120 tests)		**OSR6163** (4x120 tests)	
Kit: AU5800	**OSR6162** (4x160 tests)		**OSR6163** (4x160 tests)	
Calibrator Part Number	**ODR3023**		**ODR3023**	
Control Name (Part Number)	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**		**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**	
Measurement Principle	**Immunoturbidimetric**		**Immunoturbidimetric**	
Reaction Type	**End**		**End**	
Primary Wavelength	**660 nm**		**600 nm**	
Measuring Points	**0, 27/0, 10**		**0, 27/0, 10**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**90 days**		**90 days**	
Onboard Stability (AU5800)	**90 days**		**90 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**14 days**		**90 days**	
Compatible Anticoagulants	**Heparin**		**Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=120 µL, R2=27 µL**		**R1=120 µL, R2=39 µL**	
› **AU480/AU680**	**R1=160 µL, R2=36 µL**		**R1=160 µL, R2=52 µL**	
› **AU5800**	**R1=120 µL, R2=27 µL**		**R1=120 µL, R2=39 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **20–200 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.2–2.0 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **30–500 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.3–5.0 g/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: **50–120 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.5–1.2 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **90–200 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.9–2.0 g/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**
Comment(s)				

	Antistreptolysin O	Apolipoprotein A1
Abbreviation	**ASO**	**APO A1**
Kit: DxC 700 AU	**OSR6194** (4x430 tests)	**OSR6142** (4x250 tests)
Kit: AU480/AU680	**OSR6194** (4x330 tests)	**OSR6142** (4x250 tests)
Kit: AU5800	**OSR6194** (4x430 tests)	**OSR6142** (4x330 tests)
Calibrator Part Number	**ODR3021**	**ODR3022 (5-point calibration)**
Control Name (Part Number)	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**	**Control Serum 1 & 2 (ODC0003, ODC0004)**
Measurement Principle	**Latex Particle Immunoturbidimetric**	**Immunoturbidimetric**
Reaction Type	**Fixed**	**End**
Primary Wavelength	**600 nm**	**540 nm**
Measuring Points	**11, 16**	**0, 27/0, 10**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**60 days**	**90 days**
Onboard Stability (AU5800)	**60 days**	**90 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**90 days**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› **DxC 700 AU**	**R1=109 µL, R2=15 µL**[1]	**R1=52 µL, R2=52 µL**
› **AU480/AU680**	**R1=146 µL, R2=20 µL**[1]	**R1=52 µL, R2=52 µL**
› **AU5800**	**R1=109 µL, R2=15 µL**[1]	**R1=39 µL, R2=39 µL**
Sample Type	**Serum**	**Serum**
› **DxC 700 AU**	Serum: **1.2 µL** Urine: **N/A** CSF: **N/A**	Serum: **1.6 µL** Urine: **N/A** CSF: **N/A**
› **AU480/AU680**	Serum: **1.6 µL** Urine: **N/A** CSF: **N/A**	Serum: **1.6 µL** Urine: **N/A** CSF: **N/A**
› **AU5800**	Serum: **1.2 µL** Urine: **N/A** CSF: **N/A**	Serum: **1.2 µL** Urine: **N/A** CSF: **N/A**

		SI Units		**SI Units**
Analytical Measurement Range	Serum: **N/A** Urine: **N/A** CSF: **N/A**	Serum: **100–1,000 IU/mL** Urine: **N/A** CSF: **N/A**	Serum: **40–250 mg/dL** Urine: **N/A** CSF: **N/A**	Serum: **0.4–2.5 g/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum: **N/A** Urine: **N/A** CSF: **N/A**	Serum: Adults: **≤200 IU/mL** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum: Male: **105–175 mg/dL** Female: **105–205 mg/dL** Urine: **N/A** CSF: **N/A**	Serum: Male: **1.05–1.75 g/L** Female: **1.05–2.05 g/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum: **N/A** Urine: **N/A** CSF: **N/A**	Serum: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum: **≤10% CV** Urine: **N/A** CSF: **N/A**
Comment(s)	[1]Gently invert R2 5–10 times before placing on instrument and weekly thereafter.			

	Apolipoprotein B		Beta-2 Microglobulin	
Abbreviation	**APO B**		**B2M**	
Kit: DxC 700 AU	**OSR6143** (4x250 tests)		**OSR6151** (4x150 tests)	
Kit: AU480/AU680	**OSR6143** (4x250 tests)		**OSR6151** (4x130 tests)	
Kit: AU5800	**OSR6143** (4x340 tests)		**OSR6151** (4x150 tests)	
Calibrator Part Number	**ODR3022 (5-point calibration)**		**ODR3023**	
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**		**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**	
Measurement Principle	**Immunoturbidimetric**		**Latex Particle Immunoturbidimetric**	
Reaction Type	**End**		**Fixed**	
Primary Wavelength	**340 nm**		**570 nm**	
Measuring Points	**0, 27/0, 10**		**12, 21**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**90 days**		**90 days**	
Onboard Stability (AU5800)	**90 days**		**90 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**User-defined**		**90 days**	
Compatible Anticoagulants	**N/A**		**EDTA, Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=52 µL, R2=28 µL**		**R1=60 µL, R2=48 µL**	
› **AU480/AU680**	**R1=52 µL, R2=28 µL**		**R1=80 µL, R2=64 µL**	
› **AU5800**	**R1=39 µL, R2=21 µL**		**R1=60 µL, R2=48 µL**	
Sample Type	**Serum**		**Serum/Plasma**	
› **DxC 700 AU**	Serum: **1.6 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum: **1.6 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum: **1.2 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum: **40–200 mg/dL** Urine: **N/A** CSF: **N/A**	Serum: **0.4–2.0 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.05–1.6 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.5–16.0 mg/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum: Male: **60–140 mg/dL** Female: **55–130 mg/dL** Urine: **N/A** CSF: **N/A**	Serum: Male: **0.60–1.40 g/L** Female: **0.55–1.30 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **<60 years: 0.08–0.24 mg/dL** **>60 years: ≤0.3 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **<60 years: 0.8–2.4 mg/L** **>60 years: ≤3 mg/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**
Comment(s)				

	Ceruloplasmin	Complement 3
Abbreviation	**CER**	**C3**
Kit: DxC 700 AU	**OSR6164** (4x120 tests)	**OSR6159** (4x260 tests)
Kit: AU480/AU680	**OSR6164** (4x100 tests)	**OSR6159** (4x260 tests)
Kit: AU5800	**OSR6164** (4x120 tests)	**OSR6159** (4x320 tests)
Calibrator Part Number	**ODR3023**	**ODR3021**
Control Name (Part Number)	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**
Measurement Principle	**Immunoturbidimetric**	**Immunoturbidimetric**
Reaction Type	**End**	**End**
Primary Wavelength	**340 nm**	**380 nm**
Measuring Points	**0, 27/0, 10**	**0, 27/0, 10**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**90 days**	**90 days**
Onboard Stability (AU5800)	**90 days**	**90 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**14 days**	**90 days**
Compatible Anticoagulants	**Heparin**	**EDTA, heparin**
Reagent Volume		
› DxC 700 AU	**R1=158 µL, R2=44 µL**	**R1=40 µL, R2=32 µL**
› AU480/AU680	**R1=180 µL, R2=50 µL**	**R1=40 µL, R2=32 µL**
› AU5800	**R1=158 µL, R2=44 µL**	**R1=30 µL, R2=24 µL**
Sample Type	**Serum/Plasma**	**Serum/Plasma**
› DxC 700 AU	Serum/Plasma: **1.8 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**
› AU480/AU680	Serum/Plasma: **2 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**
› AU5800	Serum/Plasma: **1.8 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1.2 µL (Pediatric: 1.2 µL)** Urine: **N/A** CSF: **N/A**

		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **6–200 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **60-2,000 mg/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **15–500 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.15–5.00 g/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: **20–60 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **200-600 mg/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Adults and children: **90–180 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Adults and children: **0.9–1.8 g/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum/Plasma: **≤10% CV or SD ≤2 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV or SD ≤20 mg/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**
Comment(s)				

	Complement 4		C-Reactive Protein	
Abbreviation	**C4**		**CRP**	
Kit: DxC 700 AU	**OSR6160** (4x260 tests)		**OSR6147** (4x300 tests)	
Kit: AU480/AU680	**OSR6160** (4x260 tests)		**OSR6147** (4x200 tests)	
Kit: AU5800	**OSR6160** (4x320 tests)		**OSR6147** (4x300 tests)	
Calibrator Part Number	**ODR3021**		**ODR3021**	
Control Name (Part Number)	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**		**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**	
Measurement Principle	**Immunoturbidimetric**		**Immunoturbidimetric**	
Reaction Type	**End**		**Fixed**	
Primary Wavelength	**340 nm**		**340 nm**	
Measuring Points	**0, 27/0, 10**		**11, 27**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**90 days**		**90 days**	
Onboard Stability (AU5800)	**90 days**		**90 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**90 days**		**90 days**	
Compatible Anticoagulants	**EDTA, heparin**		**Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=40 µL, R2=32 µL**		**R1=47 µL, R2=20 µL**	
› **AU480/AU680**	**R1=40 µL, R2=32 µL**		**R1=70 uL, R2=30 uL**	
› **AU5800**	**R1=30 µL, R2=24 µL**		**R1=47 µL, R2=20 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **11.9 µL** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **18 uL** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **1.2 µL (Pediatric: 1.2 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **11.9 µL** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **8–150 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.08–1.5 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **5–300 mg/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Adults and children: **10–40 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Adults and children: **0.1–0.4 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **<5 mg/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV or SD ≤1.0 mg/L**[1] Urine: **N/A** CSF: **N/A**
Comment(s)			[1]Use the greater number.	

	C-Reactive Protein	C-Reactive Protein, High Sensitivity
Abbreviation	**CRPN**	**CRPHS**
Kit: DxC 700 AU	**OSR6199** (4x300 tests) **OSR6299** (4x530 tests)	**OSR6199** (4x380 tests) **OSR6299** (4x670 tests)
Kit: AU480/AU680	**OSR6199** (4x230 tests) **OSR6299** (4x400 tests)	**OSR6199** (4x380 tests) **OSR6299** (4x670 tests)
Kit: AU5800	**OSR6199** (4x300 tests) **OSR6299** (4x530 tests)	**OSR6199** (4x440 tests) **OSR6299** (4x800 tests)
Calibrator Part Number	**ODC0026***	**ODC0027***
Control Name (Part Number)	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**	**CRP Latex Control Serum (ODC0013 Level 1 & 2) or ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**
Measurement Principle	**Latex Particle Immunoturbidimetric**	**Latex Particle Immunoturbidimetric**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**570 nm**	**570 nm**
Measuring Points	**12, 22**	**12, 22**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**90 days**	**90 days**
Onboard Stability (AU5800)	**90 days**	**90 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**90 days**	**90 days**
Compatible Anticoagulants	**EDTA, Lithium Heparin**	**EDTA, Lithium Heparin**
Reagent Volume		
› DxC 700 AU	**R1=90 µL, R2=90 µL[1]**	**R1=75 µL, R2=75 µL[1]**
› AU480/AU680	**R1=120 µL, R2=120 µL[1]**	**R1=75 uL R2=75 uL[1]**
› AU5800	**R1=90 µL, R2=90 µL[1]**	**R1=55 µL, R2=55 µL[1]**
Sample Type	**Serum/Plasma**	**Serum/Plasma**
› DxC 700 AU	Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **3 µL** Urine: **N/A** CSF: **N/A**
› AU480/AU680	Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **3 uL** Urine: **N/A** CSF: **N/A**
› AU5800	Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **2.2 µL** Urine: **N/A** CSF: **N/A**

		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.2–480 mg/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.08–80 mg/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **<5 mg/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **<1 mg/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV or SD ≤1 mg/L, use the greater number** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV or SD ≤0.02 mg/L, use the greater number** Urine: **N/A** CSF: **N/A**
Comment(s)	[1]Gently invert R2 5-10 times before placing on instrument and weekly thereafter. *Saline should be used for the Level 1 calibrator.		[1]Gently invert R2 5-10 times before placing on instrument and weekly thereafter. *Saline should be used for the Level 1 calibrator.	

	Ferritin	Haptoglobin
Abbreviation	**FERR**	**HAPT**
Kit: DxC 700 AU	**OSR61203** (4x250 tests)	**OSR6165** (4x135 tests)
Kit: AU480/AU680	**OSR61203** (4x200 tests)	**OSR6165** (4x135 tests)
Kit: AU5800	**OSR61203** (4x250 tests)	**OSR6165** (4x170 tests)
Calibrator Part Number	**ODR3021**	**ODR3023**
Control Name (Part Number)	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**
Measurement Principle	**Latex Particle Immunoturbidimetric**	**Immunoturbidimetric**
Reaction Type	**Fixed**	**End**
Primary Wavelength	**660 nm**	**600 nm**
Measuring Points	**12, 22**	**0, 27/0, 10**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**60 days**	**90 days**
Onboard Stability (AU5800)	**60 days**	**90 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**30 days**	**90 days**
Compatible Anticoagulants	**EDTA, Lithium Heparin**	**EDTA, Heparin**
Reagent Volume		
› **DxC 700 AU**	**R1=90 µL, R2=45 µL**[1]	**R1=132 µL, R2=36 µL**
› **AU480/AU680**	**R1=120 µL, R2=60 µL**[1]	**R1=132 µL, R2=36 µL**
› **AU5800**	**R1 =90 µL, R2=45 µL**[1]	**R1 =99 µL, R2=27 µL**
Sample Type	**Serum/Plasma**	**Serum/Plasma**
› **DxC 700 AU**	Serum/Plasma: **4.5 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**
› **AU480/AU680**	Serum/Plasma: **6 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **N/A**
› **AU5800**	Serum/Plasma: **4.5 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **N/A**

		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **8–450 ng/mL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **8–450 µg/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **30–400 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.3–4.0 g/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Male: **20–250 ng/mL** Female: **10–120 ng/mL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Male: **20–250 µg/L** Female: **10–120 µg/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **30–200 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Adults: **0.3–2.0 g/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum/Plasma: **≤7% CV or SD ≤3 ng/mL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤7% CV or SD ≤3 µg/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**
Comment(s)	[1]Gently invert R2 5–10 times before placing on instrument and weekly thereafter.			

	Immunoglobulin A		Immunoglobulin G	
Abbreviation	**IgA**		**IgG**	
Kit: DxC 700 AU	**OSR61171** (4x250 tests)		**OSR61172** (4x370 tests)	
Kit: AU480/AU680	**OSR61171** (4x250 tests)		**OSR61172** (4x250 tests)	
Kit: AU5800	**OSR61171** (4x320 tests)		**OSR61172** (4x370 tests)	
Calibrator Part Number	**ODR3021**		**ODR3021**	
Control Name (Part Number)	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**		Serum/Plasma: **ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)** CSF: **Control materials with values determined on the Beckman Coulter system**	
Measurement Principle	**Immunoturbidimetric**		**Immunoturbidimetric**	
Reaction Type	**End**		**End**	
Primary Wavelength	**600 nm**		Serum/Plasma: **600 nm,** CSF: **340 nm**	
Measuring Points	**0, 27/0, 10**		**0, 23/0, 10**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**90 days**		**90 days**	
Onboard Stability (AU5800)	**90 days**		**90 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**90 days**		Serum/Plasma: **90 days,** CSF: **2 days**	
Compatible Anticoagulants	**EDTA, Heparin**		**EDTA, Heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=56 µL, R2=44 µL**		Serum/Plasma: **R1=55 µL, R2=50 µL** CSF: **R1=88 µL, R2=54 µL**	
› **AU480/AU680**	**R1=56 µL, R2=44 µL**		Serum/Plasma: **R1=88 µL (AU480: R1=87 µL), R2=80 µL** CSF: **R1=110 µL, R2=68 µL**	
› **AU5800**	**R1=42 µL, R2=33 µL**		Serum/Plasma: **R1=55 µL, R2=50 µL** CSF: **R1=88 µL, R2=54 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma/CSF**	
› **DxC 700 AU**	Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.0 µL (Pediatric: 1.0 µL)** Urine: **N/A** CSF: **8 µL**	
› **AU480/AU680**	Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **10 µL**	
› **AU5800**	Serum/Plasma: **1.2 µL (Pediatric: 1.2 µL)** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.0 µL (Pediatric: 1.0 µL)** Urine: **N/A** CSF: **8 µL**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **10–700 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.1–7.0 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **75–3000 mg/dL** Urine: **N/A** CSF: **2–50 mg/dL**	Serum/Plasma: **0.75–30 g/L** Urine: **N/A** CSF: **0.02–0.50 g/L**
Reference Interval	Serum/Plasma: **70–400 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Adults: **0.7–4.0 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **700–1, 600 mg/dL** Urine: **N/A** CSF: 15–20 years: **3.5 mg/dL ± 2.0 mg/dL** 21–40 years: **4.2 mg/dL ± 1.4 mg/dL** 41–60 years: **4.7 mg/dL ± 1.0 mg/dL**	Serum/Plasma: **7–16 g/L** Urine: **N/A** CSF: 15–20 years: **0.035 g/L ± 0.02 g/L** 21–40 years: **0.042 g/L ± 0.014 g/L** 41–60 years: **0.047 g/L ± 0.01 g/L**
Precision Specification	Serum/Plasma: **≤8% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤8% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤6% CV** Urine: **N/A** CSF: **≤7.5% CV or SD ≤0.5 mg/dL**	Serum/Plasma: **≤6% CV** Urine: **N/A** CSF: **≤7.5% CV or SD ≤0.005 g/L**
Comment(s)				

	Immunoglobulin M		Myoglobin	
Abbreviation	**IgM**		**MYO**	
Kit: DxC 700 AU	**OSR61173** (4x250 tests)		**OSR6168** (4x165 tests)	
Kit: AU480/AU680	**OSR61173** (4x250 tests)		**OSR6168** (4x165 tests)	
Kit: AU5800	**OSR61173** (4x320 tests)		**OSR6168** (4x183 tests)	
Calibrator Part Number	**ODR3021**		**ODR3025**	
Control Name (Part Number)	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**		**Control materials with values determined on the Beckman Coulter system**	
Measurement Principle	**Immunoturbidimetric**		**Latex particle immunoturbidimetric**	
Reaction Type	**End**		**Fixed**	
Primary Wavelength	**340 nm**		**570 nm**	
Measuring Points	**0, 27/0, 10**		**12, 27**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**90 days**		**90 days**	
Onboard Stability (AU5800)	**90 days**		**90 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**90 days**		**User-defined**	
Compatible Anticoagulants	**EDTA, Heparin**		**N/A**	
Reagent Volume				
› **DxC 700 AU**	**R1=56 µL, R2=44 µL**		**R1=76 µL, R2=57 µL**[1]	
› **AU480/AU680**	**R1=56 µL, R2=44 µL**		**R1=76 µL, R2=57 µL**[1]	
› **AU5800**	**R1=42 µL, R2=33 µL**		**R1=60 µL, R2=45 µL**[1]	
Sample Type	**Serum/Plasma**		**Serum**	
› **DxC 700 AU**	Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**		Serum: **7 µL** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**		Serum: **7 µL** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum/Plasma: **1.2 µL (Pediatric: 1.2 µL)** Urine: **N/A** CSF: **N/A**		Serum: **5.5 µL** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **20–500 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.2–5.0 g/L** Urine: **N/A** CSF: **N/A**	Serum: **N/A** Urine: **N/A** CSF: **N/A**	Serum: **30–800 µg/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: Adults: **40–230 mg/dL** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **0.4–2.3 g/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum: **N/A** Urine: **N/A** CSF: **N/A**	Serum: **N/A** Male: **19–92 µg/L** Female: **12–76 µg/L** Urine: **N/A** CSF: **N/A**
Precision Specification			Serum: **N/A** Urine: **N/A** CSF: **N/A**	Serum: 30-100 µg/L: **≤25%** 101-349 µg/L: **≤10%** 350-800 µg/L: **≤5%** Urine: **N/A** CSF: **N/A**
Comment(s)			[1]Gently invert R2 5–10 times before placing on instrument and weekly thereafter.	

	Prealbumin		Rheumatoid Factor	
Abbreviation	**PALB**		**RF**	
Kit: DxC 700 AU	**OSR6175** (4x120 tests)		**OSR61105** (4x240 tests)	
Kit: AU480/AU680	**OSR6175** (4x120 tests)		**OSR61105** (4x250 tests)	
Kit: AU5800	**OSR6175** (4x170 tests)		**OSR61105** (4x240 tests)	
Calibrator Part Number	**ODR3029**		**ODC0028**	
Control Name (Part Number)	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**		**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**	
Measurement Principle	**Immunoturbidimetric**		**Latex Particle Immunoturbidimetric**	
Reaction Type	**End**		**Fixed**	
Primary Wavelength	**340 nm**		**660 nm**	
Measuring Points	**0, 27/0, 10**		**12, 19**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**90 days**		**90 days**	
Onboard Stability (AU5800)	**90 days**		**90 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**90 days**		**30 days**	
Compatible Anticoagulants	**N/A**		**Citric Acid Plasma, Lithium Heparin, Sodium Heparin, Sodium/Potassium, EDTA**	
Reagent Volume				
› **DxC 700 AU**	**R1=120 µL, R2=52 µL**		**R1=96 µL, R2=32 µL**[1]	
› **AU480/AU680**	**R1=120 µL, R2=52 µL**		**R1=96 µL, R2=32 µL**[1]	
› **AU5800**	**R1=90 µL, R2=39 µL**		**R1=96 µL, R2=32 µL**[1]	
Sample Type	**Serum**		**Serum/Plasma**	
› **DxC 700 AU**	Serum: **2.4 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **2.6 µL** Urine: **N/A** CSF: **N/A**	
› **AU480/AU680**	Serum: **2.4 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **2.6 µL** Urine: **N/A** CSF: **N/A**	
› **AU5800**	Serum: **1.8 µL** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **2.6 µL** Urine: **N/A** CSF: **N/A**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum: **3–80 mg/dL** Urine: **N/A** CSF: **N/A**	Serum: **0.03–0.8 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **10–120 IU/ml** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum: **20–40 mg/dL** Urine: **N/A** CSF: **N/A**	Serum: **0.2–0.4 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤14 IU/mL** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**
Comment(s)			[1]Gently invert R2 5–10 times before placing on instrument and weekly thereafter.	

	Transferrin	Urine/CSF Albumin
Abbreviation	**TRF**	**UALB**
Kit: DxC 700 AU	**OSR6152** (4x330 tests)	**B38858** (4x203) **B46435** (4x366)
Kit: AU480/AU680	**OSR6152** (4x270 tests)	**B38858** (4x129 tests) **B46435** (4x240 tests)
Kit: AU5800	**OSR6152** (4x330 tests)	**B38858** (4x203 tests) **B46435** (4x366 tests)
Calibrator Part Number	**ODR3021**	**B38859**
Control Name (Part Number)	**ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)**	**No recommendation**
Measurement Principle	**Immunoturbidimetric**	**Immunoturbidimetric**
Reaction Type	**End**	**End**
Primary Wavelength	**380 nm**	**380**
Measuring Points	**0, 27/0, 10**	**0.27/0.10**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**90 days**	**60 days**
Onboard Stability (AU5800)	**90 days**	**60 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**90 days**	**60 days**
Compatible Anticoagulants	**EDTA, Heparin**	**N/A**
Reagent Volume		
› **DxC 700 AU**	**R1=21 µL, R2=24 µL**	**R1=138 µl, R2=16 µl**
› **AU480/AU680**	**R1=28 µL, R2=32 µL**	**R1=215 µl, R2=25 µl**
› **AU5800**	**R1=21 µL, R2=24 µL**	**R1=138 µl, R2=16 µl**
Sample Type	**Serum/Plasma**	**Urine/CSF**
› **DxC 700 AU**	Serum/Plasma: **1.2 µL (Pediatric: 1.2 µL)** Urine: **N/A** CSF: **N/A**	**4 µl**
› **AU480/AU680**	Serum/Plasma: **1.6 µL (Pediatric: 1.6 µL)** Urine: **N/A** CSF: **N/A**	**6 µl**
› **AU5800**	Serum/Plasma: **1.2 µL (Pediatric: 1.2 µL)** Urine: **N/A** CSF: **N/A**	**4 µl**

		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **75–750 mg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.75–7.50 g/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **7–450 mg/L (0.7–45 mg/dL)** CSF: **10–450 mg/L (1–45 mg/dL)** Other: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A** Other: **N/A**
Reference Interval	Serum/Plasma: Adults: **200–360 mg/dL** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: Adults: **2.0–3.6 g/L** Urine: **N/A** CSF: **N/A** For pediatric reference interval ranges, refer to IFU.	Serum/Plasma: **N/A** Urine: Normal: **<30 mg/24 hr**, Moderately increased: **30–299 mg/24 hr**, **Clinical albuminuria ≥300** CSF: 3 mo–4y: **0–450 mg/L (0–45 mg/dL)**, >4y: **100–300 mg/L (10–30 mg/dL)**[1] Other: **N/A**	Serum/Plasma: **N/A** Urine: Normal: **N/A** CSF: N/A Other: **N/A**
Precision Specification	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **≤10% CV or SD ≤2 mg/L (0.2 mg/dL)** CSF: **≤10% CV or SD ≤2 mg/L (0.2 mg/dL)** Other: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A** Other: **N/A**
Comment(s)			[1]America Diabetes Association, Diabetic Nephropathy, Diabetes Care, 2002, 25: (Suppl. 1): S85–S89.	

	Ammonia	Cholinesterase
Abbreviation	**AMMON**	**CHE**
Kit: DxC 700 AU	**OSR61154** (2x93 tests)	**OSR6114** (4x180 tests)
Kit: AU480/AU680	**OSR61154** (2x93 tests)	**OSR6114** (4x180 tests)
Kit: AU5800	**OSR61154** (2x93 tests)	**OSR6114** (4x300 tests)
Calibrator Part Number	**Included**	**66300**
Control Name (Part Number)	**No specific recommendation**	**Control Serum 1 & 2 (ODC0003, ODC0004)**
Measurement Principle	**Enaymatic Glutamate Dehydrogenase**	**GSCC 1994 Butyrylthiocholine**
Reaction Type	**Fixed**	**Rate**
Primary Wavelength	**340 nm**	**410 nm**
Measuring Points	**2, 7**	**16, 20**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**14 days**	**30 days**
Onboard Stability (AU5800)	**—**	**30 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**7 days**	**Run in MB mode**
Compatible Anticoagulants	**EDTA, Lithium, Heparin**	**Heparin**
Reagent Volume		
› **DxC 700 AU**	**R1=150 µL**	**R1*=150 µL, R2=30 µL**
› **AU480/AU680**	**R1=150 µL**	**R1*=150 µL, R2=30 µL**
› **AU5800**	**R1=150 µL**	**R1*=90 µL, R2=18 µL**
Sample Type	**Serum/Plasma**	**Serum/Plasma**
› **DxC 700 AU**	Serum/Plasma: **15 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **3 µL** Urine: **N/A** CSF: **N/A**
› **AU480/AU680**	Serum/Plasma: **15 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **3 µL** Urine: **N/A** CSF: **N/A**
› **AU5800**	Serum/Plasma: **15 µL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1.8 µL** Urine: **N/A** CSF: **N/A**

		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **17–1020 µg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **10–600 µmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1–15 kU/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **17–250 µkat/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: **25–90 µg/dL** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **16–53 µmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Male: **4.62–11.5 kU/L** Female: **3.93–10.8 kU/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Male: **77–192 µkat/L** Female: **65–180 µkat/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum/Plasma: **<5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **<5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**
Comment(s)			*Protect R1 from light.	

	Creatine Kinase MB		Cystatin C	
Abbreviation	**CK-MB**		**CYS**	
Kit: DxC 700 AU	**OSR61155** (2x230 tests)		**B08179** (1x300 tests)	
Kit: AU480/AU680	**OSR61155** (2x230 tests)		**B08179** (1x300 tests)	
Kit: AU5800	**OSR61155** (2x230 tests)		**B08179** (1x300 tests)	
Calibrator Part Number	**ODR30034**		**A52763**	
Control Name (Part Number)	**CK-MB Control Levels 1 & 2 (ODR30035, ODR30036)**		**A52765**	
Measurement Principle	**CK IFCC Method Plus Immunoinhibition**		**Immunoturbidimetric**	
Reaction Type	**Rate**		**End**	
Primary Wavelength	**340 nm**		**540**	
Measuring Points	**21, 27**		**13, 27**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**30 days**		**60 days**	
Onboard Stability (AU5800)	**30 days**		**60 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**Run in MB mode**		**28 days**	
Compatible Anticoagulants	**Heparin**		**EDTA, Heparinized Plasma**	
Reagent Volume				
› **DxC 700 AU**	**R1=100 µL, R2=25 µL**		**R1=150 µL, R2=30 µL**	
› **AU480/AU680**	**R1=100 µL, R2=25 µL**		**R1=150 µL, R2=30 µL**	
› **AU5800**	**R1=100 µL, R2=25 µL**		**R1=150 µL, R2=30 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› **DxC 700 AU**	Serum/Plasma: **5 µL** Urine: **N/A** CSF: **N/A**		**2 µL**	
› **AU480/AU680**	Serum/Plasma: **5 µL** Urine: **N/A** CSF: **N/A**		**2 µL**	
› **AU5800**	Serum/Plasma: **5 µL** Urine: **N/A** CSF: **N/A**		**2 µL**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **10–2, 000 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.17–33.3 µkat/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: ***Lot-specific** Urine: **N/A** CSF: **N/A**	
Reference Interval	Serum/Plasma: Adults: **<24 U/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: Adults: **<0.4 µkat/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.4–8.0 mg/L** Urine: **N/A** CSF: **N/A**	
Precision Specification	Serum/Plasma: **≤6.5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **≤6.5% CV** Urine: **N/A** CSF: **N/A**		
Comment(s)			*Lot-specific; see analytical value sheet included with calibrator kit.	

	D-dimer	HbA1c Advanced
Abbreviation	**DDIM**	**HbA1c**
Kit: DxC 700 AU	**OSR60135** (2x120 tests)	**B93009** (2x250 tests)
Kit: AU480/AU680	**OSR60135** (2x100 tests)	**Not Available**
Kit: AU5800	**OSR60135** (2x120 tests)	**Not Available**
Calibrator Part Number	**ODR3033**	**Included in kit**
Control Name (Part Number)	**D-dimer Control Levels 1 & 2 (ODC0029)**	**extendSURE™ Hemoglobin A1c Liquid Controls B12396** (2x2 levels) **and B12397** (12x2 levels)
Measurement Principle	**Immunoturbidimetric**	THb: **Colorimetric** **A1c: Turbidimetric Immunoinhibition**
Reaction Type	**Fixed**	**End**
Primary Wavelength	**800 nm**	THb: **570 nm**; HbA1c: **340 nm**
Measuring Points	**13, 27**	THb: **0, 10**; HbA1c: **10, 27**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**30 days**	**30 days**
Onboard Stability (AU5800)	**30 days**	**Not Applicable**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**30 days**	**15 days**
Compatible Anticoagulants	**Citrated Plasma, Lithium Heparin[2]**	**K_2-EDTA, K_3-EDTA, Lithium Heparin or Sodium Heparin Whole Blood**
Reagent Volume		
› **DxC 700 AU**	**R1=100 µL, R2=100 µL[1]**	Hemolyzing R1: **200 µL** THb R1 = **138 µL**; A1c R1 = **150 µL**; A1c R2 = **30 µL**
› **AU480/AU680**	**R1=125 µL, R2=125 µL[1]**	**Not Applicable**
› **AU5800**	**R1=100 µL, R2=100 µL[1]**	**Not Applicable**
Sample Type	**Citrated Plasma**	**Whole Blood**
› **DxC 700 AU**	Plasma: **5.6 µL** Urine: **N/A** CSF: **N/A**	Hemolyzing: **2 µL** THb: **12 µL**; A1c: **6 µL** (onboard pre-treated)
› **AU480/AU680**	Plasma: **7 µL** Urine: **N/A** CSF: **N/A**	**Not Applicable**
› **AU5800**	Plasma: **5.6 µL** Urine: **N/A** CSF: **N/A**	**Not Applicable**

		SI Units	IFCC Units	NGSP Units
Analytical Measurement Range	Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Plasma: **0.25–8.0 µg FEU/mL** Urine: **N/A** CSF: **N/A**	Whole Blood: **20–140 mmol/mol HbA1c***	Whole Blood: **4–15% HbA1c***
Reference Interval	Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Plasma: **<0.5 µg FEU/mL** Urine: **N/A** CSF: **N/A**	Whole Blood: **20–42 mmol/mol HbA1c**	Whole Blood: **4–6% HbA1c**
Precision Specification	Plasma: **<10% CV** Urine: **N/A** CSF: **N/A**	Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**	Whole Blood: **≤ 2% or SD ≤1.4 mmol/mol HbA1c**	Whole Blood: **≤ 2% or SD ≤0.13% HbA1c**
Comment(s)	[1] Mix R2 gently before use and on a weekly basis thereafter. [2] D-Dimer values in heparin plasma are on average 16% higher over the entire measuring range.		*Refer to Limitations section of the IFU for additional information on out-of-range reporting.	

	Hemoglobin A1c	Homocysteine
Abbreviation	**HbA1c**	**HCY**
Kit: DxC 700 AU	**B00389** (2x250 tests)	**B08176** (2x100 tests)
Kit: AU480/AU680	**B00389** (2x250 tests)	**B08176** (2x100 tests)
Kit: AU5800	**B00389** (2x215 tests)	**B08176** (2x100 tests)
Calibrator Part Number	**Included in kit**	**Included in kit**
Control Name (Part Number)	**extendSURE™ Hemoglobin A1c Liquid Controls Ref B12396 and B12397**	**B08177**
Measurement Principle	THb: **Colorimetric** **A1c: Turbidimetric Immunoinhibition**	**Immunoturbidimetric**
Reaction Type	**End**	**Rate1**
Primary Wavelength	THb: **570 nm**; HbA1c: **340 nm**	**340**
Measuring Points	THb: **0, 10**; HbA1c: **10, 27**	**15, 27**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	**30 days**	**30 days**
Onboard Stability (AU5800)	**30 days**	**30 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**14 days**	**30 days**
Compatible Anticoagulants	**K_2-EDTA, K_3-EDTA, Lithium Heparin or Sodium Heparin Whole Blood**	**EDTA or lithium heparin**
Reagent Volume		
› DxC 700 AU	THB R1: **138 µl**; HbA1c R1: **150 µl**; HbA1c R2: **30 µl**	**R1=155 µl, R2=15 µl**
› AU480/AU680	THB R1: **138 µl**; HbA1c R1: **150 µl**; HbA1c R2: **30 µl**	**R1=155 µl, R2=15 µl**
› AU5800	THB R1: **138 µl**; HbA1c R1: **150 µl**; HbA1c R2: **30 µl**	**R1=115 µl, R2=12 µl**
Sample Type	**Pre-treated whole blood**	**Serum/Plasma**
› DxC 700 AU	THB: **12 µl**; HbA1c: **6 µl**	**10 µl**
› AU480/AU680	THB: **12 µl**; HbA1c: **6 µl**	**10 µl**
› AU5800	THB: **12 µl**; HbA1c: **6 µl**	**7.5 µl**

		SI Units		SI Units
Analytical Measurement Range	Serum/Plasma: **N/A** Urine: **N/A** Other: **THb: 3.7–13.0 mmol/L**; HbA1c: **0.19 mmol/L to the concentration of Cal 5**; %HbA1c: **4.0%–15.0% at THb ~9.6 mmol/L**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A** Other: THb: **6–21g/dL**; HbA1c: **0.3g/dL to the concentration of Cal 5**; %HbA1c: **4.0%–15.0% at THb ~15.5g/dL**; **% HbA1c** The reportable range for the calculated HbA1c is 20–140 mmol/mol HbA1c (IFCC) and 4–15% HbA1c (NGSP), based on a typical Calibrator 6 value of 1.36 mmol/L (2.19g/dL), at a total hemoglobin of 9.6 mmol/L (15.5 g/dL)	Serum/Plasma: **2–44 µmol/L** Urine: **N/A** CSF: **N/A**
Reference Interval	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A** Other: **4.0–6.0% (NGSP) 20–42 mmol/mol (IFCC units)**	Serum/Plasma: **5–15 µmol/L** Urine: **N/A** CSF: **N/A**
Precision Specification	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A** Other: **≤4%**	Serum/Plasma: **N/A** Urine: **N/A** CSF: **N/A** Other: **≤4%**	Serum/Plasma: **≤10% CV** Urine: **N/A** CSF: **N/A**
Comment(s)			

	Lactate	Pancreatic Amylase
Abbreviation	**LAC**	**PAMY**
Kit: DxC 700 AU	**OSR6193** (4x75 tests)	**A53704** (2x320 tests)
Kit: AU480/AU680	**OSR6193** (4x55 tests)	**A53704** (2x320 tests)
Kit: AU5800	**OSR6193** (4x75 tests)	**A53704** (2x320 tests)
Calibrator Part Number	**66300**	**16550**
Control Name (Part Number)	**Control Serum 1 & 2 (ODC0003, ODC0004)**	**ODC0003/ODC0004**
Measurement Principle	**Enzymatic**	**Enzymatic colorimetric method inhibition EPS**
Reaction Type	**Fixed**	**Rate**
Primary Wavelength	**540 nm**	**410**
Measuring Points	**1, 15**	**16, 27**
Liquid or Lyophilized	**Liquid/Lyophilized***	**Liquid**
Onboard Stability	**30 days**	**30 days**
Onboard Stability (AU5800)		
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**30 days**	**14 days**
Compatible Anticoagulants	**Sodium Fluoride, Potassium Oxalate**	**EDTA or Lithium Heparin**
Reagent Volume		
› **DxC 700 AU**	Plasma: **R1=120 µL** CSF: **R1=120 µL**	**R1=100 µL, R2=25 µL**
› **AU480/AU680**	Plasma: **R1=160 µL** CSF: **R1=160 µL**	**R1=100 µL, R2=25 µL**
› **AU5800**	Plasma: **R1=120 µL** CSF: **R1=120 µL**	**R1=100 µL, R2=25 µL**
Sample Type	**Plasma/CSF**	**Serum/Plasma**
› **DxC 700 AU**	Plasma: **1.2 µL** Urine: **N/A** CSF: **1.2 µL**	**2 µL**
› **AU480/AU680**	Serum/Plasma: **1.6 µL** Urine: **N/A** CSF: **1.6 µL**	**2 µL**
› **AU5800**	Serum/Plasma: **1.2 µL** Urine: **N/A** CSF: **1.2 µL**	**2 µL**

		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **2–120 mg/dL** Urine: **N/A** CSF: **2–120 mg/dL**	Serum/Plasma: **0.22–13.32 mmol/L** Urine: **N/A** CSF: **0.22–13.32 mmol/L**	Serum/Plasma: **4.7–2,000 U/L** For DxC 700 AU: **0.7–2400 U/L** Urine: **N/A** CSF: **N/A**	
Reference Interval	Serum/Plasma: **4.5–19.8 mg/dL** Urine: **N/A** CSF: Adult: **10–22 mg/dL**[1] For pediatric reference intervals, refer to IFU.	Serum/Plasma: **0.5–2.2 mmol/L** Urine: **N/A** CSF: Adult: **1.1–2.4 mmol/L**[1] For pediatric reference intervals, refer to IFU.	Serum/Plasma: **8–53 U/L** Urine: **N/A** CSF: **N/A**	
Precision Specification	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **≤5% CV**	Serum/Plasma: **≤5% CV** Urine: **N/A** CSF: **≤5% CV**	Serum/Plasma: Intra assay: **≤4% CV, Inter assay ≤5% CV on DxC 700 AU**	
Comment(s)	[1]For additional reference intervals, refer to product IFU. *Refer to IFU for reagent preparation.			

	Procalcitonin		Syphilis	
Abbreviation	**PCT**		**SYP**	
Kit: DxC 700 AU	**DZ558A-K** (1x370 tests)		**A53709** (1x210 tests)	
Kit: AU480/AU680	**DZ558A-K** (1x370 tests)		**A53709** (1x210 tests)	
Kit: AU5800	**DZ558A-K** (1x370 tests)		**A53709** (1x210 tests)	
Calibrator Part Number	**DZ558A-CAL, 6 levels**		**A53710**	
Control Name (Part Number)	**DZ558A-CON, 2 levels**		**A53711**	
Measurement Principle	**Latex enhanced Immunoturbidimetric method**		**Immunoturbidimetric**	
Reaction Type	**Fixed 1**		**End**	
Primary Wavelength	**600**		**800**	
Measuring Points	**12, 21 for DxC 700 AU: 14, 23**		**13, 27**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**28 days**		**50 days**	
Onboard Stability (AU5800)	**28 days**		**50 days**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**User-defined**		**50 days**	
Compatible Anticoagulants	**EDTA or Lithium Heparinized Plasma**		**EDTA or lithium heparin**	
Reagent Volume				
› **DxC 700 AU**	**R1=90 µl, R2=30 µl**		**R1=80 µL, R2=80 µL**	
› **AU480/AU680**	**R1=90 µl, R2=30 µl**		**R1=80 µL, R2=80 µL**	
› **AU5800**	**R1=90 µl, R2=30 µl**		**R1=75 µL, R2=75 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› **DxC 700 AU**	**14 µl**		**18 µL**	
› **AU480/AU680**	**14 µl**		**18 µL**	
› **AU5800**	**14 µl**		**17 µL**	
		SI Units		**SI Units**
Analytical Measurement Range	**0.2–52 ng/mL**		Serum/Plasma: **4–80 U** For DxC 700 AU: **4–90 U** Urine: **N/A** CSF: **N/A**	
Reference Interval	**<0.5 ng/mL**		Serum/Plasma: **Positive syphilis results ≥10 U** Urine: **N/A** CSF: **N/A**	
Precision Specification	**Not supplied**		<10 U: **CV% ≤±5.0% or SD ≤±0.5 U** @ 10 U: **CV% ≤±4.0%** >10 U: **CV% ≤±4.0%**	
Comment(s)	User-defined reagent			

	Acetaminophen		Amikacin	
Abbreviation	**ACETA**		**AMIK**	
Kit: DxC 700 AU	**OSR7A229** (2x210 tests)		**6X019** (1x450 tests)	
Kit: AU680	**OSR7A229** (2x175 tests)		**6X019** (1x200 tests)	
AU5800/AU480	**OSR7A229** (2x210 tests)		**6X019** (1x450 tests)	
Calibrator Part Number	**7A409**		**Included**	
Control Name (Part Number)	**No specific recommendation**		**No specific recommendation**	
Measurement Principle	**Emit® tox**		**Emit® TDM**	
Reaction Type	**Rate**		**Rate**	
Primary Wavelength	**340 nm**		**340 nm**	
Measuring Points	**15, 23**		**12, 16**	
Liquid or Lyophilized	**Liquid**		**Lyophilized***	
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**		DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**	
Onboard Stability (AU5800)	**28 days or user-defined**		**28 days or user-defined**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**User-defined**		**User-defined**	
Compatible Anticoagulants	**EDTA, Heparin, Citrate, Oxalate/Fluoride**		**EDTA, Citrate, Oxalate**	
Reagent Volume				
› DxC 700 AU	**R1=120 µL, R2=60 µL**		**R1=89 µL, R2=89 µL**	
› AU680	**R1=150 µL, R2=75 µL**		**R1=162 µL, R2=162 µL**	
› AU5800/AU480	**R1=120 µL, R2=60 µL**		**R1=89 µL, R2=89 µL**	
Sample Type	**Serum/Plasma**		**Serum**	
› DxC 700 AU	Serum/Plasma: **2.4 µL**		Serum/Plasma: **1.7 µL**	
› AU680	Serum/Plasma: **3 µL**		Serum/Plasma: **3 µL**	
› AU5800/AU480	Serum/Plasma: **2.4 µL**		Serum/Plasma: **1.7 µL**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **0.1–200 µg/mL** AU680: **0.3–200 µg/mL**	Serum/Plasma: **1–1,324 µmol/L** AU680: **2–1,324 µmol/L**	Serum/Plasma: **2.5–50 µg/mL**	Serum/Plasma: **4.3–85.5 µmol/L**
Reference Interval	**Consult literature**	**Consult literature**	**Consult literature**	**Consult literature**
Precision Specification	Serum/Plasma: **Typical CV ≤5%**		Serum/Plasma: **Typical CV ≤5%**	
Comment(s)			User-defined reagent. *Refer to IFU for reagent preparation.	

	Caffeine		Carbamazepine	
Abbreviation	**CAFF**		**CARB**	
Kit: DxC 700 AU	**6P419** (235 tests)		**OSR4F229** (2x240 tests)	
Kit: AU680	**6P419** (130 tests)		**OSR4F229** (2x200 tests)	
AU5800/AU480	**6P419** (235 tests)		**OSR4F229** (2x240 tests)	
Calibrator Part Number	**Calibrator included in reagent kit**		**4F109**	
Control Name (Part Number)	**No specific recommendation**		**No specific recommendation**	
Measurement Principle	**Emit® TDM**		**Emit® 2000**	
Reaction Type	**Rate**		**Rate**	
Primary Wavelength	**340 nm**		**340 nm**	
Measuring Points	**12, 16**		**19, 27**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**		DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**	
Onboard Stability (AU5800)	**28 days or user-defined**		**28 days or user-defined**	
Storage Temperature	**28 days**		**+2 to +8° C**	
Calibration Frequency	**User-defined**		**User-defined**	
Compatible Anticoagulants	**N/A**		**Heparin, Oxalate, Citrate, EDTA**	
Reagent Volume				
› **DxC 700 AU**	**R1=89 µL, R2=89 µL**		**R1=80 µL, R2=40 µL**	
› **AU680**	**R1=162 µL, R2=162 µL**		**R1=100 µL, R2=50 µL**	
› **AU5800/AU480**	**R1=89 µL, R2=89 µL**		**R1=80 µL, R2=40 µL**	
Sample Type	**Serum**		**Serum/Plasma**	
› **DxC 700 AU**	Serum: **1.7 µL**		Serum/Plasma: **1.6 µL**	
› **AU680**	Serum: **3 µL**		Serum/Plasma: **2 µL**	
› **AU5800/AU480**	Serum: **1.7 µL**		Serum/Plasma: **1.6 µL**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum: **DxC 700 AU 1.0–30.0 µg/mL. All others refer to IFU.**	Serum: **5–155 µmol/L**	Serum/Plasma: **0.5–20.0 µg/mL***	Serum/Plasma: **2.1–85 µmol/L**
Reference Interval	**Consult literature**	**Consult literature**	Serum/Plasma: **4–12 µg/mL**	Serum/Plasma: **17–51 µmol/L**
Precision Specification			Serum/Plasma: **Typical CV ≤6.5%**	
Comment(s)			*Enter the concentration of the highest calibrator for the high-end dynamic range. Refer to IFU.	

	Digoxin QMS		Digoxin EMIT	
Abbreviation	**DIG**		**DIG**	
Kit: DxC 700 AU	**OSR6404** (2x180 tests)		**OSR4H229** (2x200 tests)	
Kit: AU680	**OSR6404** (2x200 tests)		**OSR4H229** (2x200 tests)	
AU5800/AU480	**OSR6404** (2x180 tests)		**OSR4H229** (in development)	
Calibrator Part Number	**ODC6404**		**4H209**	
Control Name (Part Number)	**Control materials with values determined on the Beckman Coulter system**		**No specific recommendation**	
Measurement Principle	**Latex-enhanced immunoinhibition assay**		**Emit® 2000**	
Reaction Type	**Fixed**		**Rate**	
Primary Wavelength	**700 nm**		**340 nm**	
Measuring Points	**15, 27**		**17, 27**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**30 days**		DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**	
Onboard Stability (AU5800)	**30 days**		**28 days or user-defined**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**User-defined**		**User-defined**	
Compatible Anticoagulants	**N/A**		**Heparin, oxalate, EDTA**	
Reagent Volume				
› **DxC 700 AU**	**R1=88 µL, R2=64 µL**		**R1=130 µL, R2=50 µL**	
› **AU680**	**R1=88 µL, R2=64 µL**		**R1=130 µL, R2=50 µL**	
› **AU5800/AU480**	**R1=88 µL, R2=64 µL**		**In development**	
Sample Type	**Serum**		**Serum/Plasma**	
› **DxC 700 AU**	Serum: **6 µL**		Serum/Plasma: **17 µL**	
› **AU680**	Serum: **6 µL**		Serum/Plasma: **17 µL**	
› **AU5800/AU480**	Serum: **6 µL**		**In development**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum: **0–5 ng/mL**	Serum: **0–6.4 nmol/L**	Serum: **0.3–5.0 ng/mL**	**0.4–6.4 nmol/L**
Reference Interval	Serum: Effective levels: **0.8–2.0 ng/mL** Toxic levels: **>2.4 ng/mL**	Serum: Effective levels: **1.0–2.6 nmol/L** Toxic levels: **>3.1 nmol/L**	Serum: **0.9–2.0 ng/mL**	Serum: **1.2–2.6 nmol/L**
Precision Specification	Serum: **≤6% CV or SD ≤0.12 ng/mL**		Serum: **Typical CV ≤10.4%**	
Comment(s)				

	Digitoxin		Gentamicin	
Abbreviation	**DGT**		**GENT**	
Kit: DxC 700 AU	**OSR6403** (2x180 tests)		**OSR4T229** (2x240 tests)	
Kit: AU680	**OSR6403** (2x200 tests)		**OSR4T229** (2x200 tests)	
AU5800/AU480	**OSR6403** (2x180 tests)		**OSR4T229** (2x240 tests)	
Calibrator Part Number	**ODC6403**		**4T209**	
Control Name (Part Number)	**No specific recommendation**		**No specific recommendation**	
Measurement Principle	**Latex-enhanced immunoinhibition assay**		**Emit* 2000**	
Reaction Type	**Fixed**		**Rate**	
Primary Wavelength	**700 nm**		**340 nm**	
Measuring Points	**12, 27**		**19, 27**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	**30 days**		DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**	
Onboard Stability (AU5800)	**28 days**		**28 days or user-defined**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**User-defined**		**User-defined**	
Compatible Anticoagulants	**N/A**		**Heparin, Citrate, Oxalate, EDTA**	
Reagent Volume				
› **DxC 700 AU**	**R1=105 µL, R2=64 µL**		**R1=80 µL, R2=40 µL**	
› **AU680**	**R1=105 µL, R2=64 µL**		**R1=100 µL, R2=50 µL**	
› **AU5800/AU480**	**R1=105 µL, R2=64 µL**		**R1=80 µL, R2=40 µL**	
Sample Type	**Serum**		**Serum/Plasma**	
› **DxC 700 AU**	Serum: **3 µL**		Serum/Plasma: **1.6 µL**	
› **AU680**	Serum: **3 µL**		Serum/Plasma: **2 µL**	
› **AU5800/AU480**	Serum: **3 µL**		Serum/Plasma: **1.6 µL**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum: **0–90 ng/mL** DxC 700 AU A: **1.5–90 ng/mL**	**0–118 nmol/L** DxC 700 AU A: **2–118 nmol/L**	Serum/Plasma: **0.3–10.0 µg/mL***	Serum/Plasma: **0.6–20.9 µmol/L**
Reference Interval	Serum: Effective levels: **10–30 ng/mL** Toxic levels: **>30 ng/mL**	Serum: Effective levels: **13–39 nmol/L** Toxic levels: **>39 ng/mL**	Serum/Plasma: **Peak 4–8 µg/mL**	Serum/Plasma: **Peak 8.6–17 µmol/L**
Precision Specification	Serum: **≤6% or SD ≤1.5 ng/mL**		Serum/Plasma: **Typical CV ≤6.3%**	
Comment(s)			*Enter the concentration of the highest calibrator, for the high-end dynamic range. Refer to IFU.	

	Lithium		Methotrexate	
Abbreviation	**LI**		**MTRX**	
Kit: DxC 700 AU	**OSRT056** (2x100 tests)		**6L119** (1x235 tests)	
Kit: AU680	**OSRT056** (2x100 tests)		**6L119** (1x130 tests)	
AU5800/AU480	**OSRT056** (2x100 tests)		**6L119** (1x235 tests)	
Calibrator Part Number	**Included**		**Included**	
Control Name (Part Number)	**No specific recommendation**		**No specific recommendation**	
Measurement Principle	**Colorimetric/Endpoint**		**Emit® TDM**	
Reaction Type	**End**		**Rate**	
Primary Wavelength	**520 nm**		**340 nm**	
Measuring Points	**0, 6**		**12, 16**	
Liquid or Lyophilized	**Liquid**		**Lyophilized**	
Onboard Stability	**14 days**		DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**	
Onboard Stability (AU5800)			**28 days or user-defined**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**7 days**		**User-defined**	
Compatible Anticoagulants	**EDTA**		**Heparin, EDTA, Oxalate**	
Reagent Volume				
› **DxC 700 AU**	**R1=150 µl**		**R1=89 µL, R2=89 µL**	
› **AU680**	**R1=150 µl**		**R1=162 µL, R2=162 µL**	
› **AU5800/AU480**	**R1=150 µl**		**R1=89 µL, R2=89 µL**	
Sample Type	**Serum/Plasma**		**Serum**	
› **DxC 700 AU**	Serum/Plasma: **2 µL of a 1/10** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.7 µL**	
› **AU680**	Serum/Plasma: **2 µL of a 1/10** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **3 µL**	
› **AU5800/AU480**	Serum/Plasma: **2 µL of a 1/10** Urine: **N/A** CSF: **N/A**		Serum/Plasma: **1.7µL**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **0.1–5 mmol/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **0.1–5 mEq/L** Urine: **N/A** CSF: **N/A**	Serum/Plasma: ***Calibrator-dependent** For DxC 700 AU: **0.3-2.0 µmol/L** **Refer to IFU for other systems.**	Serum/Plasma: ***Calibrator-dependent** For DxC 700 AU: **0.3-2.0 µmol/L** **Refer to IFU for other systems.**
Reference Interval	Serum/Plasma: **1–1.2 mmol/L (trough)** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **1–1.2 mEq/L (trough)** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **Consult literature**	Serum/Plasma: **Consult literature**
Precision Specification	Serum/Plasma: **<5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **<5% CV** Urine: **N/A** CSF: **N/A**	Serum/Plasma: **Typical CV ≤4.6%**	
Comment(s)			User-defined reagent.	

	Phenobarbital		Phenytoin	
Abbreviation	**PBARB**		**PHENY**	
Kit: DxC 700 AU	**OSR4D229** (2x240 tests)		**OSR4A229** (2x240 tests)	
Kit: AU680	**OSR4D229** (2x200 tests)		**OSR4A229** (2x200 tests)	
AU5800/AU480	**OSR4D229** (2x240 tests)		**OSR4A229** (2x240 tests)	
Calibrator Part Number	**4D109**		**4A109**	
Control Name (Part Number)	**No specific recommendation**		**No specific recommendation**	
Measurement Principle	**Emit® 2000**		**Emit® 2000**	
Reaction Type	**Rate**		**Rate**	
Primary Wavelength	**340 nm**		**340 nm**	
Measuring Points	**15, 19**		**19, 27**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**		DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**	
Onboard Stability (AU5800)	**28 days or user-defined**		**28 days or user-defined**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**User-defined**		**User-defined**	
Compatible Anticoagulants	**Heparin, Citrate, Oxalate, EDTA**		**Heparin, Citrate, Oxalate, EDTA**	
Reagent Volume				
› DxC 700 AU	**R1=72 µL, R2=72 µL**		**R1=72 µL, R2=52 µL**	
› AU680	**R1=90 µL, R2=90 µL**		**R1=90 µL, R2=65 µL**	
› AU5800/AU480	**R1=72 µL, R2=72 µL**		**R1=72 µL, R2=52 µL**	
Sample Type	**Serum/Plasma**		**Serum**	
› DxC 700 AU	Serum/Plasma: **1.6 µL**		Serum/Plasma: **1.6 µL**	
› AU680	Serum/Plasma: **2 µL**		Serum/Plasma: **2 µL**	
› AU5800/AU480	Serum/Plasma: **1.6 µL**		Serum/Plasma: **1.6 µL**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **0.6–80.0 µg/mL**	Serum/Plasma: **2.6–344.8 µmol/L**	Serum/Plasma: **0.5–40.0 µg/mL**	Serum/Plasma: **2.0–158.4 µmo/L**
Reference Interval	Serum/Plasma: **10–40 µg/mL**	Serum/Plasma: **43–172 µmol/L**	Serum/Plasma: **10–20 µg/mL**	Serum/Plasma: **40–79 µmol/L**
Precision Specification	**Not provided**		Serum/Plasma: **Typical CV ≤8.2%**	
Comment(s)				

	Salicylic Acid		Theophylline	
Abbreviation	**SALI**		**THEO**	
Kit: DxC 700 AU	**OSR7S229** (2x210 tests)		**OSR4P229** (2x240 tests)	
Kit: AU680	**OSR7S229** (2x175 tests)		**OSR4P229** (2x200 tests)	
AU5800/AU480	**OSR7S229** (2x210 tests)		**OSR4P229** (2x240 tests)	
Calibrator Part Number	**7S109**		**4P109**	
Control Name (Part Number)	**No specific recommendation**		**No specific recommendation**	
Measurement Principle	**Emit® tox**		**Emit® 2000**	
Reaction Type	**Rate**		**Rate**	
Primary Wavelength	**340 nm**		**340 nm**	
Measuring Points	**15, 23**		**15, 19**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**		DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**	
Onboard Stability (AU5800)	**28 days or user-defined**		**28 days or user-defined**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**User-defined**		**User-defined**	
Compatible Anticoagulants	**EDTA, Sodium Heparin, Citrate, Oxalate/Fluoride**		**Heparin, Citrate, Oxalate, EDTA**	
Reagent Volume				
› DxC 700 AU	**R1=120 µL, R2=60 µL**		**R1=80 µL, R2=40 µL**	
› AU680	**R1=150 µL, R2=75 µL**		**R1=100 µL, R2=50 µL**	
› AU5800/AU480	**R1=120 µL, R2=60 µL**		**R1=80 µL, R2=40 µL**	
Sample Type	**Serum/Plasma**		**Serum**	
› DxC 700 AU	Serum/Plasma: **2.4 µL**		Serum/Plasma: **2.4 µL**	
› AU680	Serum/Plasma: **3 µL**		Serum/Plasma: **3 µL**	
› AU5800/AU480	Serum/Plasma: **2.4 µL**		Serum/Plasma: **2.4 µL**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **1.5–80 mg/dL**	Serum: **109–5,792 µmol/L**	Serum/Plasma: **0.8–40.0 µg/mL**	Serum/Plasma: **4.4–222 µmol/L**
Reference Interval	Serum/Plasma: **<6 mg/dL**	Serum/Plasma: **<434 µmol/L**	Serum/Plasma: **10–20 µg/mL**	Serum/Plasma: **56–111 µmol/L**
Precision Specification	Serum/Plasma: **<8.5% CV**		Serum/Plasma: **Typical CV ≤11.3%**	
Comment(s)				

	Tobramycin		Valproic Acid	
Abbreviation	**TOB**		**VPA**	
Kit: DxC 700 AU	**OSR4S229** (2x200 tests)		**OSR4G229** (2x200 tests)	
Kit: AU680	**OSR4S229** (2x160 tests)		**OSR4G229** (2x165 tests)	
AU5800/AU480	**OSR4S229** (2x200 tests)		**OSR4G229** (2x200 tests)	
Calibrator Part Number	**4S109**		**4G109**	
Control Name (Part Number)	**No specific recommendation**		**No specific recommendation**	
Measurement Principle	**Emit® 2000**		**Emit® 2000**	
Reaction Type	**Rate**		**Rate**	
Primary Wavelength	**340 nm**		**340 nm**	
Measuring Points	**17, 25**		**12, 17**	
Liquid or Lyophilized	**Liquid**		**Liquid**	
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**		DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**	
Onboard Stability (AU5800)	**28 days or user-defined**		**28 days or user-defined**	
Storage Temperature	**+2 to +8° C**		**+2 to +8° C**	
Calibration Frequency	**User-defined**		**User-defined**	
Compatible Anticoagulants	**Sodium Heparin, Citrate, Oxalate/Fluoride, EDTA**		**EDTA, Heparin, Citrate, Oxalate/Fluoride**	
Reagent Volume				
› DxC 700 AU	**R1=139 µL, R2=70 µL**		**R1=139 µL, R2=70 µL**	
› AU680	**R1=174 µL, R2=87 µL**		**R1=174 µL, R2=87 µL**	
› AU5800/AU480	**R1=139 µL, R2=70 µL**		**R1=139 µL, R2=70 µL**	
Sample Type	**Serum/Plasma**		**Serum/Plasma**	
› DxC 700 AU	Serum/Plasma: **2.8 µL**		Serum/Plasma: **2.8 µL**	
› AU680	Serum/Plasma: **3.5 µL**		Serum/Plasma: **3.5 µL**	
› AU5800/AU480	Serum/Plasma: **2.8 µL**		Serum/Plasma: **2.8 µL**	
		SI Units		**SI Units**
Analytical Measurement Range	Serum/Plasma: **0.5–10.0 µg/mL**	Serum/Plasma: **1.1–21.4 µmol/L**	Serum/Plasma: **4.0–150.0 µg/mL**	Serum/Plasma: **28–1,040 µmol/L**
Reference Interval	Serum/Plasma: **Peak 4–8 µg/mL**	Serum/Plasma: **Peak 8.6–17.1 µmol/L**	Serum/Plasma: **50–100 µg/mL**	Serum/Plasma: **347–693 µmol/L**
Precision Specification	Serum/Plasma: **Typical CV ≤6.8%**		Serum/Plasma: **Typical CV ≤4.3%**	
Comment(s)				

Vancomycin

Abbreviation	**VANC**
Kit: DxC 700 AU	**OSR4W229** (2x200 tests)
Kit: AU680	**OSR4W229** (2x165 tests)
AU5800/AU480	**OSR4W229** (2x200 tests)
Calibrator Part Number	**4W109**
Control Name (Part Number)	**No specific recommendation**
Measurement Principle	**Emit® 2000**
Reaction Type	**Rate**
Primary Wavelength	**340 nm**
Measuring Points	**15, 21**
Liquid or Lyophilized	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680: **28 days or user-defined**
Onboard Stability (AU5800)	**28 days or user-defined**
Storage Temperature	**+2 to +8° C**
Calibration Frequency	**User-defined**
Compatible Anticoagulants	**EDTA, Sodium Heparin, Lithium Heparin, Citrate, Oxalate/Fluoride**
Reagent Volume	
› **DxC 700 AU**	**R1=120 µL, R2=64 µL**
› **AU680**	**R1=150 µL, R2=80 µL**
› **AU5800/AU480**	**R1=120 µL, R2=64 µL**
Sample Type	**Serum**
› **DxC 700 AU**	Serum/Plasma: **2.4 µL**
› **AU680**	Serum/Plasma: **3 µL**
› **AU5800/AU480**	Serum/Plasma: **2.4 µL**

		SI Units
Analytical Measurement Range	Serum/Plasma: **2.0–50.0 µg/mL**	Serum/Plasma: **1.3–34 µmol/L**
Reference Interval	Serum/Plasma: **Consult literature**	Serum/Plasma: **Consult literature**
Precision Specification	Serum/Plasma: **Typical CV ≤3.8%**	
Comment(s)		

	6-Acetylmorphine (qualitative)	6-Acetylmorphine (semi-quantitative)
Abbreviation	**6AM1G**	**6AM1G**
Kit: DxC 700 AU	**9R039UL** (1x215 tests)	**9R039UL** (1x215 tests)
Kit: AU680	**9R039UL** (1x215 tests)	**9R039UL** (1x215 tests)
Kit: AU5800/AU480	**9R039UL** (1x215 tests)	**9R039UL** (1x215 tests)
Calibrator Part Number	**9R549**	**9R529, 9R549, 9R569, 9R589**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**13, 15**	**13, 15**
Liquid or Lyophilized	**Liquid R1, Lyophilized R2***	**Liquid R1, Lyophilized R2***
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=80 µL; R2=40 µL**	**R1=80 µL; R2=40 µL**
› AU680	**R1=102 µL; R2=51 µL**	**R1=102 µL; R2=51 µL**
› AU5800/AU480	**R1 = 80 µL; R2 = 40 µL**	**R1 = 80 µL; R2 = 40 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	**7.5 µL**	**7.5 µL**
› AU680	**9.5 µL**	**9.5 µL**
› AU5800/AU480	**7.5 µL**	**7.5 µL**
Cutoff Level	**10 ng/mL**	**N/A**
Analytical Measurement Range	**User-defined**	**2.9–20 ng/mL**
Comment(s)	*R2 reconstitute with DI water, must equilibrate for 1 hour before placing on the analyzer. Requires pour-over into AU bottles, 15 mL (REF 63165) and 30 mL (REF 63094).	*R2 reconstitute with DI water, must equilibrate for 1 hour before placing on the analyzer. Requires pour-over into AU bottles, 15 mL (REF 63165) and 30 mL (REF 63094).

	Amphetamine (300 Cutoff)	Amphetamine (500 Cutoff)
Abbreviation	**AMP+**	**AMP+**
Kit: DxC 700 AU	**OSR9C229** (2x275 tests)	**OSR9C229** (2x275 tests)
Kit: AU680	**OSR9C229** (2x200 tests)	**OSR9C229** (2x200 tests)
Kit: AU5800/AU480	**OSR9C229** (2x275 tests)	**OSR9C229** (2x275 tests)
Calibrator Part Number	**9A529**	**9A549**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**13, 15**	**13, 15**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=105 µL, R2=46 µL**	**R1=105 µL, R2=46 µL**
› AU680	**R1=150 µL, R2=65 µL**	**R1=150 µL, R2=65 µL**
› AU5800/AU480	**R1=105 µL, R2=46 µL**	**R1=105 µL, R2=46 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **3.5 µL**	Urine: **2.1 µL**
› AU680	Urine: **5 µL**	Urine: **3 µL**
› AU5800/AU480	Urine: **3.5 µL**	Urine: **2.1 µL**
Cutoff Level	**300 ng/mL**	**500 ng/mL**
Analytical Measurement Range	**User-defined**	**User-defined**
Comment(s)		

	Amphetamine (1,000 Cutoff)	Amphetamine (300 SQ)
Abbreviation	**AMP+**	**AMP+**
Kit: DxC 700 AU	**OSR9C229** (2x230 tests)	**OSR9C229** (2x275 tests)
Kit: AU680	**OSR9C229** (2x190 tests)	**OSR9C229** (2x200 tests)
Kit: AU5800/AU480	**OSR9C229** (2x230 tests)	**OSR9C229** (2x275 tests)
Calibrator Part Number	**9A569**	**9A529, 9A549, 9A569**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**13, 15**	**13, 15**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=126 µL, R2=54 µL**	**R1=105 µL, R2=46 µL**
› AU680	**R1=158 µL, R2=68 µL**	**R1=150 µL, R2=65 µL**
› AU5800/AU480	**R1=126 µL, R2=54 µL**	**R1=105 µL, R2=46 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **1.6 µL**	Urine: **3.5 µL**
› AU680	Urine: **2 µL**	Urine: **5 µL**
› AU5800/AU480	Urine: **1.6 µL**	Urine: **3.5 µL**
Cutoff Level	**1,000 ng/mL**	**300 ng/mL**
Analytical Measurement Range	**User-defined**	**45–1,000 ng/mL**
Comment(s)		

	Amphetamine (500 SQ)	Amphetamine (1,000 SQ)
Abbreviation	**AMP+**	**AMP+**
Kit: DxC 700 AU	**OSR9C229** (2x275 tests)	**OSR9C229** (2x230 tests)
Kit: AU680	**OSR9C229** (2x200 tests)	**OSR9C229** (2x190 tests)
Kit: AU5800/AU480	**OSR9C229** (2x275 tests)	**OSR9C229** (2x230 tests)
Calibrator Part Number	**9A529, 9A549, 9A569**	**9A529, 9A549, 9A569, 9A609**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**13, 15**	**13, 15**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**Reagent blank daily**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=105 µL, R2=46 µL**	**R1=126 µL, R2=54 µL**
› AU680	**R1=150 µL, R2=65 µL**	**R1=158 µL, R2=68 µL**
› AU5800/AU480	**R1=105 µL, R2=46 µL**	**R1=126 µL, R2=54 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **2.1 µL**	Urine: **1.6 µL**
› AU680	Urine: **3 µL**	Urine: **2 µL**
› AU5800/AU480	Urine: **2.1 µL**	Urine: **1.6 µL**
Cutoff Level	**N/A**	**N/A**
Analytical Measurement Range	**70–1,000 ng/mL**	**90–2,000 ng/mL**
Comment(s)		

	Barbiturate (200 Cutoff)	Barbiturate (300 Cutoff)
Abbreviation	**BARB+**	**BARB+**
Kit: DxC 700 AU	**OSR9D229** (2x275 tests)	**OSR9D229** (2x275 tests)
Kit: AU680	**OSR9D229** (2x200 tests)	**OSR9D229** (2x200 tests)
Kit: AU5800/AU480	**OSR9D229** (2x275 tests)	**OSR9D229** (2x275 tests)
Calibrator Part Number	**9A569**	**9A589**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 19**	**15, 19**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=98 µL, R2=42 µL**	**R1=98 µL, R2=42 µL**
› AU680	**R1=140 µL, R2=60 µL**	**R1=140 µL, R2=60 µL**
› AU5800/AU480	**R1=98 µL, R2=42 µL**	**R1=98 µL, R2=42 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **4.2 µL**	Urine: **4.2 µL**
› AU680	Urine: **6.0 µL**	Urine: **6.0 µL**
› AU5800/AU480	Urine: **4.2 µL**	Urine: **4.2 µL**
Cutoff Level	**200 ng/mL**	**N/A**
Analytical Measurement Range	**User-defined**	**User-defined**
Comment(s)		

	Barbiturate (SQ)	Barbiturate Tox
Abbreviation	**BARB+**	**TBARB**
Kit: DxC 700 AU	**OSR9D229** (2x275 tests)	**7D119** (280 tests)
Kit: AU680	**OSR9D229** (2x200 tests)	**7D119** (225 tests)
Kit: AU5800/AU480	**OSR9D229** (2x275 tests)	**7D119** (280 tests)
Calibrator Part Number	**9A549, 9A569, 9A589, 9A609**	**7B019**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® Tox**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 19**	**12, 16**
Liquid or Lyophilized	**Liquid**	**Lyophilized**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**Reagent blank daily**	**User-defined**
Compatible Anticoagulants	**N/A**	**Heparin, oxalate, EDTA**
Reagent Volume		
› DxC 700 AU	**R1=98 µL, R2=42 µL**	**R1=80 µL, R2=80 µL**
› AU680	**R1=140 µL, R2=60 µL**	**R1=100 µL, R2=100µL**
› AU5800/AU480	**R1=98 µL, R2=42 µL**	**R1=80 µL, R2=80 µL**
Sample Type	**Urine**	**Serum/Plasma**
› DxC 700 AU	Urine: **4.2 µL**	Serum: **3.0 µL**
› AU680	Urine: **6.0 µL**	Serum: **2.4 µL**
› AU5800/AU480	Urine: **4.2 µL**	Serum: **3.0 µL**
Cutoff Level	**N/A**	**N/A**
Analytical Measurement Range	**18–800 ng/mL**	**User-defined**
Comment(s)		User-defined reagent.

	Benzodiazepine (200 Cutoff)	Benzodiazepine (300 Cutoff)
Abbreviation	**BENZ+**	**BENZ+**
Kit: DxC 700 AU	**OSR9F229** (2x275 tests)	**OSR9F229** (2x275 tests)
Kit: AU680	**OSR9F229** (2x200 tests)	**OSR9F229** (2x200 tests)
Kit: AU5800/AU480	**OSR9F229** (2x275 tests)	**OSR9F229** (2x275 tests)
Calibrator Part Number	**9A569**	**9A589**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 19**	**15, 19**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=98 µL, R2=42 µL**	**R1=98 µL, R2=42 µL**
› AU680	**R1=140 µL, R2=60 µL**	**R1=140 µL, R2=60 µL**
› AU5800/AU480	**R1=98 µL, R2=42 µL**	**R1=98 µL, R2=42 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **4.2 µL**	Urine: **4.2 µL**
› AU680	Urine: **6.0 µL**	Urine: **6.0 µL**
› AU5800/AU480	Urine: **4.2 µL**	Urine: **4.2 µL**
Cutoff Level	**200 ng/mL**	**300 ng/mL**
Analytical Measurement Range	**User-defined**	**User-defined**
Comment(s)		

	Benzodiazepine (SQ)	Benzodiazepine Tox
Abbreviation	**BENZ+**	**TBENZ**
Kit: DxC 700 AU	**OSR9F229** (2x275 tests)	**7B119** (360 tests)
Kit: AU680	**OSR9F229** (2x200 tests)	**7B119** (295 tests)
Kit: AU5800/AU480	**OSR9F229** (2x275 tests)	**7B119** (360 tests)
Calibrator Part Number	**9A549, 9A569, 9A589, 9A609**	**7B019**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® Tox**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 19**	**13, 15**
Liquid or Lyophilized	**Liquid**	**Lyophilized**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**Reagent blank daily**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**Heparin, Oxalate, EDTA**
Reagent Volume		
› DxC 700 AU	**R1=98 µL, R2=42 µL**	**R1=60 µL, R2=60 µL**
› AU680	**R1=140 µL, R2=60 µL**	**R1=75 µL, R2=75 µL**
› AU5800/AU480	**R1=98 µL, R2=42 µL**	**R1=60 µL, R2=60 µL**
Sample Type	**Urine**	**Serum/Plasma**
› DxC 700 AU	Urine: **4.2 µL**	Serum: **2 µL**
› AU680	Urine: **6.0 µL**	Serum: **2.5 µL**
› AU5800/AU480	Urine: **4.2 µL**	Serum: **2 µL**
Cutoff Level	**N/A**	**N/A**
Analytical Measurement Range	**23–1,000 ng/mL**	**User-defined**
Comment(s)		User-defined reagent.

	Buprenorphine (qualitative)	Buprenorphine (semi-quantitative)
Abbreviation	**BUP1G**	**BUP1G**
Kit: DxC 700 AU	**9S039UL** (1x220 tests)	**9S039UL** (1x220 tests)
Kit: AU680	**9S039UL** (1x220 tests)	**9S039UL** (1x220 tests)
Kit: AU5800/AU480	**9S039UL** (1x220 tests)	**9S039UL** (1x220 tests)
Calibrator Part Number	**9S549UL**	**9S529UL, 9S549UL, 9S569UL, 9S589UL**
Control Name (Part Number)	**9S609UL Negative, 9S619UL Positive**	**9S609UL Negative, 9S619UL Positive**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**13, 17**	**13, 17**
Liquid or Lyophilized	**Liquid***	**Liquid***
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1= 08 µL; R2=54 µL**	**R1=108 µL; R2=54 µL**
› AU680	**R1=108 µL; R2=54 µL**	**R1=108 µL; R2=54 µL**
› AU5800/AU480	**R1=72 µL; R2=36 µL**	**R1=72 µL; R2=36 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	**10.5 µL**	**10.5 µL**
› AU680	**10.5 µL**	**10.5 µL**
› AU5800/AU480	**7 µL**	**7 µL**
Cutoff Level	**5 ng/mL**	**N/A**
Analytical Measurement Range	**User-defined**	**0.7–25 ng/mL**
Comment(s)	*Requires pour-over into AU bottles, 15 mL (REF 63165) and 30 mL (REF 63094).	*Requires pour-over into AU bottles, 15 mL (REF 63165) and 30 mL (REF 63094).

	Cannabinoid 20 Cutoff	Cannabinoid 50 Cutoff
Abbreviation	**THC20+**	**THC50+**
Kit: DxC 700 AU	**OSR9N229** (2x200 tests)	**OSR9N229** (2x260 tests)
Kit: AU680	**OSR9N229** (2x200 tests)	**OSR9N229** (2x260 tests)
Kit: AU5800/AU480	**OSR9N229** (2x200 tests)	**OSR9N229** (2x260 tests)
Calibrator Part Number	**9A549**	**9A569**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 20**	**15, 17**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=140 µL, R2=60 µL**	**R1=105 µL, R2=45 µL**
› AU680	**R1=140 µL, R2=60 µL**	**R1=105 µL, R2=45 µL**
› AU5800/AU480	**R1=140 µL, R2=60 µL**	**R1=105 µL, R2=45 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **10 µL**	Urine: **4.5 µL**
› AU680	Urine: **10 µL**	Urine: **4.5 µL**
› AU5800/AU480	Urine: **10 µL**	Urine: **4.5 µL**
Cutoff Level	**20 ng/mL**	**50 ng/mL**
Analytical Measurement Range	**User-defined**	**User-defined**
Comment(s)		

	Cannabinoid 100 Cutoff	Cannabinoid 50 SQ
Abbreviation	**THC100+**	**THC50+**
Kit: DxC 700 AU	**OSR9N229** (2x185 tests)	**OSR9N229** (2x260 tests)
Kit: AU680	**OSR9N229** (2x185 tests)	**OSR9N229** (2x260 tests)
Kit: AU5800/AU480	**OSR9N229** (2x185 tests)	**OSR9N229** (2x260 tests)
Calibrator Part Number	**9A589**	**9A549, 9A569, 9A589**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 17**	**15, 17**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=150 µL, R2=64 µL**	**R1=105 µL, R2=45 µL**
› AU680	**R1=150 µL, R2=64 µL**	**R1=105 µL, R2=45 µL**
› AU5800/AU480	**R1=150 µL, R2=64 µL**	**R1=105 µL, R2=45 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **3.0 µL**	Urine: **4.5 µL**
› AU680	Urine: **3.0 µL**	Urine: **4.5 µL**
› AU5800/AU480	Urine: **3.0 µL**	Urine: **4.5 µL**
Cutoff Level	**100 ng/mL**	**N/A**
Analytical Measurement Range	**User-defined**	**8–100 ng/mL**
Comment(s)		

	Cannabinoid 100 SQ	Cocaine Metabolite 150 Cutoff
Abbreviation	**THC100+**	**COCA+**
Kit: DxC 700 AU	**OSR9N229** (2x185 tests)	**OSR9H229** (2x275 tests)
Kit: AU680	**OSR9N229** (2x185 tests)	**OSR9H229** (2x200 tests)
Kit: AU5800/AU480	**OSR9N229** (2x185 tests)	**OSR9H229** (2x275 tests)
Calibrator Part Number	**9A549, 9A569, 9A589, 9A609**	**9A549**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 17**	**15, 19**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=150 µL, R2=64 µL**	**R1=91 µL, R2=39 µL**
› AU680	**R1=150 µL, R2=64 µL**	**R1=130 µL, R2=55 µL**
› AU5800/AU480	**R1=150 µL, R2=64 µL**	**R1=91 µL, R2=39 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **3.0 µL**	Urine: **6.3 µL**
› AU680	Urine: **3.0 µL**	Urine: **9 µL**
› AU5800/AU480	Urine: **3.0 µL**	Urine: **6.3 µL**
Cutoff Level	**N/A**	**150 ng/mL**
Analytical Measurement Range	**28–200 ng/mL**	**User-defined**
Comment(s)		

	Cocaine Metabolite 300 Cutoff	Cocaine SQ
Abbreviation	**COCA+**	**COCA+**
Kit: DxC 700 AU	**OSR9H229** (2x275 tests)	**OSR9H229** (2x275 tests)
Kit: AU680	**OSR9H229** (2x200 tests)	**OSR9H229** (2x200 tests)
Kit: AU5800/AU480	**OSR9H229** (2x275 tests)	**OSR9H229** (2x275 tests)
Calibrator Part Number	**9A569**	**9A549, 9A569, 9A589, 9A609**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 19**	**15, 19**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=91 µL, R2=39 µL**	**R1=91 µL, R2=39 µL**
› AU680	**R1=130 µL, R2=55 µL**	**R1=130 µL, R2=55 µL**
› AU5800/AU480	**R1=91 µL, R2=39 µL**	**R1=91 µL, R2=39 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **6.3 µL**	Urine: **6.3 µL**
› AU680	Urine: **9 µL**	Urine: **9 µL**
› AU5800/AU480	Urine: **6.3 µL**	Urine: **6.3 µL**
Cutoff Level	**300 ng/mL**	**N/A**
Analytical Measurement Range	**User-defined**	**20–1,000 ng/mL**
Comment(s)		

	Ecstasy 300 Cutoff	Ecstasy 500 Cutoff
Abbreviation	**XTC**	**XTC**
Kit: DxC 700 AU	**OSR9X229** (2x275 tests)	**OSR9X229** (2x275 tests)
Kit: AU680	**OSR9X229** (2x200 tests)	**OSR9X229** (2x200 tests)
Kit: AU5800/AU480	**OSR9X229** (2x275 tests)	**OSR9X229** (2x275 tests)
Calibrator Part Number	**9R549**	**9R569**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**13, 15**	**13, 15**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=91 µL, R2=39 µL**	**R1=91 µL, R2=39 µL**
› AU680	**R1=130 µL, R2=55 µL**	**R1=130 µL, R2=55 µL**
› AU5800/AU480	**R1=91 µL, R2=39 µL**	**R1=91 µL, R2=39 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **4.9 µL**	Urine: **3.5 µL**
› AU680	Urine: **7 µL**	Urine: **5.0 µL**
› AU5800/AU480	Urine: **4.9 µL**	Urine: **3.5 µL**
Cutoff Level	**300 ng/mL**	**500 ng/mL**
Analytical Measurement Range	**User-defined**	**User-defined**
Comment(s)		

	Ecstasy 300 SQ	Ecstasy 500 SQ
Abbreviation	**XTC**	**XTC**
Kit: DxC 700 AU	**OSR9X229** (2x275 tests)	**OSR9X229** (2x275 tests)
Kit: AU680	**OSR9X229** (2x200 tests)	**OSR9X229** (2x200 tests)
Kit: AU5800/AU480	**OSR9X229** (2x275 tests)	**OSR9X229** (2x275 tests)
Calibrator Part Number	**9R529, 9R549, 9R569**	**9R529, 9R549, 9R569, 9R589**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**13, 15**	**13, 15**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**Reagent blank daily**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=91 µL, R2=39 µL**	**R1=91 µL, R2=39 µL**
› AU680	**R1=130 µL, R2=55 µL**	**R1=130 µL, R2=55 µL**
› AU5800/AU480	**R1=91 µL, R2=39 µL**	**R1=91 µL, R2=39 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **4.9 µL**	Urine: **3.5 µL**
› AU680	Urine: **7 µL**	Urine: **5.0 µL**
› AU5800/AU480	Urine: **4.9 µL**	Urine: **3.5 µL**
Cutoff Level	**300 ng/mL**	**500 ng/mL**
Analytical Measurement Range	**75–500 ng/mL**	**75–1,000 ng/mL**
Comment(s)		

	EDDP 100 Cutoff	EDDP SQ
Abbreviation	**EDDP**	**EDDP**
Kit: DxC 700 AU	**OSR6318** (2x230 tests)	**OSR6318** (2x230 tests)
Kit: AU680	**OSR6318** (2x260 tests)	**OSR6318** (2x260 tests)
Kit: AU5800/AU480	**OSR6318** (2x230 tests)	**OSR6318** (2x230 tests)
Calibrator Part Number	**ODC6315 or ODC6316**	**ODC6314, ODC6315 or ODC6316, ODC6317, ODC6318**
Control Name (Part Number)	**DAU Specialty Control/Multi-drug Control (ODC0007, ODC0006)**	**DAU Specialty Control/Multi-drug Control (ODC0007, ODC0006)**
Measurement Principle	**Qualitative CEDIA**	**Semi-quantitative CEDIA**
Reaction Type	**Rate**	**Rate 1**
Primary Wavelength	**570 nm**	**570 nm**
Measuring Points	**24, 27**	**24, 27**
Liquid or Lyophilized	**Liquid/Lyophilized***	**Liquid/Lyophilized***
Onboard Stability	AU480/AU680: **60 days** AU5800/DxC 700 AU: **30 days**	AU480/AU680: **60 days** AU5800/DxC 700 AU: **30 days**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=61 µL, R2=61 µL**	**R1=61 µL, R2=61 µL**
› AU680	**R1=61 µL, R2=61 µL**	**R1=61 µL, R2=61 µL**
› AU5800/AU480	**R1=61 µL, R2=61 µL**	**R1=61 µL, R2=61 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **5.6 µL**	Urine: **5.6 µL**
› AU680	Urine: **5.6 µL**	Urine: **5.6 µL**
› AU5800/AU480	Urine: **5.6 µL**	Urine: **5.6 µL**
Cutoff Level	**100 ng/mL**	**N/A**
Analytical Measurement Range		**0–2,000 µg/L**
Comment(s)	*Refer to IFU for reagent preparation.	*Refer to IFU for reagent preparation.

	Ethyl Alcohol	LSD 0.5 Cutoff
Abbreviation	**ALC**	**LSD**
Kit: DxC 700 AU	**OSR9K229** (2x175 tests)	**9L039** (250 tests)
Kit: AU680	**OSR9K229** (2x128 tests)	**9L039** (200 tests)
Kit: AU5800/AU480	**OSR9K229** (2x175 tests)	**9L039** (250 tests)
Calibrator Part Number	**9K029, 9K059**	**9L109**
Control Name (Part Number)	**AE610A, AE600A, AE601A, AE602A**	**LSD Level I Control (9L419), LSD Level II Control (9L519)**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**12, 16**	**17, 27**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**Reagent blank daily**	**User-defined**
Compatible Anticoagulants	**Citrate, EDTA, fluoride/oxalate, and heparin**	**N/A**
Reagent Volume		
› DxC 700 AU	Serum/Urine: **R1=147 µL, R2=63 µL**	**R1=80 µL, R2=40 µL**
› AU680	Serum/Urine: **R1=210 µL, R2=90 µL**	**R1=100 µL R2=50 µL**
› AU5800/AU480	Serum/Urine: **R1=147 µL, R2=63 µL**	**R1=80 µL, R2=40 µL**
Sample Type	**Serum/Urine**	**Urine**
› DxC 700 AU	Serum: **2.8 µL** Urine: **2.8 µL**	Urine: **16 µL**
› AU680	Serum: **4.0 µL** Urine: **4.0 µL**	Urine: **20 µL**
› AU5800/AU480	Serum: **2.8 µL** Urine: **2.8 µL**	Urine: **16 µL**
Cutoff Level	**N/A**	**0.5 ng/mL**
Analytical Measurement Range	Serum/Plasma/Urine: **User-defined**	**User-defined**
Comment(s)		

	LSD SQ	Methadone 150 Cutoff
Abbreviation	**LSD**	**METH+**
Kit: DxC 700 AU	**9L039** (250 tests)	**OSR9E229** (2x275 tests)
Kit: AU680	**9L039** (200 tests)	**OSR9E229** (2x200 tests)
Kit: AU5800/AU480	**9L039** (250 tests)	**OSR9E229** (2x275 tests)
Calibrator Part Number	**9L009, 9L109, 9L209, 9L309**	**9A549**
Control Name (Part Number)	**LSD Level I Control (9L419), LSD Level II Control (9L519)**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**22, 27**	**15, 19**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=80 µL, R2=40 µL**	**R1=98 µL, R2=42 µL**
› AU680	**R1=100 µL, R2=50 µL**	**R1=140 µL, R2=60 µL**
› AU5800/AU480	**R1=80 µL, R2=40 µL**	**R1=98 µL, R2=42 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **16 µL**	Urine: **4.2 µL**
› AU680	Urine:**20 µL**	Urine: **6 µL**
› AU5800/AU480	Urine: **16 µL**	Urine: **4.2 µL**
Cutoff Level	**N/A**	**150 ng/mL**
Analytical Measurement Range	**0.05–2.50 ng/mL**	**User-defined**
Comment(s)		

	Methadone 300 Cutoff	Methadone SQ
Abbreviation	**METH+**	**METH+**
Kit: DxC 700 AU	**OSR9E229** (2x275 tests)	**OSR9E229** (2x275 tests)
Kit: AU680	**OSR9E229** (2x200 tests)	**OSR9E229** (2x200 tests)
Kit: AU5800/AU480	**OSR9E229** (2x275 tests)	**OSR9E229** (2x275 tests)
Calibrator Part Number	**9A569**	**9A549, 9A569, 9A589, 9A609**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 19**	**15, 19**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=98 µL, R2=42 µL**	**R1=98 µL, R2=42 µL**
› AU680	**R1=140 µL, R2=60 µL**	**R1=140 µL, R2=60 µL**
› AU5800/AU480	**R1=98 µL, R2=42 µL**	**R1=98 µL, R2=42 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **4.2 µL**	Urine: **4.2 µL**
› AU680	Urine: **6 µL**	Urine: **6 µL**
› AU5800/AU480	Urine: **4.2 µL**	Urine: **4.2 µL**
Cutoff Level	**300 ng/mL**	**N/A**
Analytical Measurement Range	**User-defined**	**30–1,000 ng/mL**
Comment(s)		

	Methaqualone 300 Cutoff	Methaqualone SQ
Abbreviation	**METQ+**	**METQ+**
Kit: DxC 700 AU	**OSR9Q229** (2x275 tests)	**OSR9Q229** (2x275 tests)
Kit: AU680	**OSR9Q229** (2x200 tests)	**OSR9Q229** (2x200 tests)
Kit: AU5800/AU480	**OSR9Q229** (2x275 tests)	**OSR9Q229** (2x275 tests)
Calibrator Part Number	**9A569**	**9A549, 9A569, 9A589, 9A609**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 19**	**15, 19**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=91 µL, R2=39 µL**	**R1=91 µL, R2=39 µL**
› AU680	**R1=130 µL, R2=55 µL**	**R1=130 µL, R2=55 µL**
› AU5800/AU480	**R1=91 µL, R2=39 µL**	**R1=91 µL, R2=39 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **3.9 µL**	Urine: **3.9 µL**
› AU680	Urine: **5.5 µL**	Urine: **5.5 µL**
› AU5800/AU480	Urine: **3.9 µL**	Urine: **3.9 µL**
Cutoff Level	**300 ng/mL**	**300 ng/mL**
Analytical Measurement Range	**User-defined**	**46–1,000 ng/mL**
Comment(s)		

	Opiates 300 Cutoff	Opiates 2,000 Cutoff
Abbreviation	**OPIA+**	**OPIA+**
Kit: DxC 700 AU	**OSR9B229** (2x275 tests)	**OSR9B229** (2x185 tests)
Kit: AU680	**OSR9B229** (2x200 tests)	**OSR9B229** (2x137 tests)
Kit: AU5800/AU480	**OSR9B229** (2x275 tests)	**OSR9B229** (2x185 tests)
Calibrator Part Number	**9A529**	**9A569**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**16, 22**	**16, 22**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=94 µL, R2=35 µL**	**R1=140 µL, R2=53 µL**
› AU680	**R1=134 µL, R2=50 µL**	**R1=200 µL, R2=75 µL**
› AU5800/AU480	**R1=94 µL, R2=35 µL**	**R1=140 µL, R2=53 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **5.6 µL**	Urine: **2.1 µL**
› AU680	Urine: **8.0 µL**	Urine: **3.3 µL**
› AU5800/AU480	Urine: **5.6 µL**	Urine: **2.1 µL**
Cutoff Level	**300 ng/mL**	**2,000 ng/mL**
Analytical Measurement Range	**User-defined**	**User-defined**
Comment(s)		

	Opiates 300 SQ	Opiates 2,000 SQ
Abbreviation	**OPIA+**	**OPIA+**
Kit: DxC 700 AU	**OSR9B229** (2x275 tests)	**OSR9B229** (2x185 tests)
Kit: AU680	**OSR9B229** (2x200 tests)	**OSR9B229** (2x137 tests)
Kit: AU5800/AU480	**OSR9B229** (2x275 tests)	**OSR9B229** (2x185 tests)
Calibrator Part Number	**9A509, 9A529, 9A549, 9A569**	**9A509, 9A549, 9A569, 9A609**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**16, 22**	**16, 22**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**Reagent blank daily**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=94 µL, R2=35 µL**	**R1=140 µL, R2=53 µL**
› AU680	**R1=134 µL, R2=50 µL**	**R1=200 µL, R2=75 µL**
› AU5800/AU480	**R1=94 µL, R2=35 µL**	**R1=140 µL, R2=53 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **5.6 µL**	Urine: **2.1 µL**
› AU680	Urine: **8.0 µL**	Urine: **3.0 µL**
› AU5800/AU480	Urine: **5.6 µL**	Urine: **2.1 µL**
Cutoff Level	**300 ng/mL**	**2,000 ng/mL**
Analytical Measurement Range	**16–2,000 ng/mL**	**140–4,000 ng/mL**
Comment(s)		

	Phencyclidine 25 Cutoff	Phencyclidine SQ
Abbreviation	**PCP+**	**PCP+**
Kit: DxC 700 AU	**OSR9J229** (2x275 tests)	**OSR9J229** (2x275 tests)
Kit: AU680	**OSR9J229** (2x200 tests)	**OSR9J229** (2x200 tests)
Kit: AU5800/AU480	**OSR9J229** (2x275 tests)	**OSR9J229** (2x275 tests)
Calibrator Part Number	**9A569**	**9A549, 9A569, 9A589, 9A609**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 19**	**15, 19**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=84 µL, R2=35 µL**	**R1=84 µL, R2=35 µL**
› AU680	**R1=120 µL, R2=50 µL**	**R1=120 µL, R2=50 µL**
› AU5800/AU480	**R1=84 µL, R2=35 µL**	**R1=84 µL, R2=35 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **4.9 µL**	Urine: **4.9 µL**
› AU680	Urine: **7 µL**	Urine: **7 µL**
› AU5800/AU480	Urine: **4.9 µL**	Urine: **4.9 µL**
Cutoff Level	**25 ng/mL**	**25 ng/mL**
Analytical Measurement Range	**User-defined**	**1.4–100 ng/mL**
Comment(s)		

	Propoxyphene 300 Cutoff	Propoxyphene SQ
Abbreviation	**PPX+**	**PPX+**
Kit: DxC 700 AU	**OSR9G229** (2x275 tests)	**OSR9G229** (2x275 tests)
Kit: AU680	**OSR9G229** (2x200 tests)	**OSR9G229** (2x200 tests)
Kit: AU5800/AU480	**OSR9G229** (2x275 tests)	**OSR9G229** (2x275 tests)
Calibrator Part Number	**9A569**	**9A549, 9A569, 9A589**
Control Name (Part Number)	**No specific recommendation**	**No specific recommendation**
Measurement Principle	**Emit® II Plus**	**Emit® II Plus**
Reaction Type	**Fixed**	**Fixed**
Primary Wavelength	**340 nm**	**340 nm**
Measuring Points	**15, 19**	**15, 19**
Liquid or Lyophilized	**Liquid**	**Liquid**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**Reagent blank daily**
Compatible Anticoagulants	**N/A**	**N/A**
Reagent Volume		
› DxC 700 AU	**R1=84 µL, R2=35 µL**	**R1=84 µL, R2=35 µL**
› AU680	**R1=120 µL, R2=50 µL**	**R1=120 µL, R2=50 µL**
› AU5800/AU480	**R1=84 µL, R2=35 µL**	**R1=84 µL, R2=35 µL**
Sample Type	**Urine**	**Urine**
› DxC 700 AU	Urine: **4.9 µL**	Urine: **4.9 µL**
› AU680	Urine: **7 µL**	Urine: **7 µL**
› AU5800/AU480	Urine: **4.9 µL**	Urine: **4.9 µL**
Cutoff Level	**300 ng/mL**	**300 ng/mL**
Analytical Measurement Range	**User-defined**	**59–500 ng/L**
Comment(s)		

Tricyclics Tox

Abbreviation	**TRICY**
Kit: DxC 700 AU	**7C209** (1x360 tests)
Kit: AU680	**7C209** (1x295 tests)
Kit: AU5800/AU480	**7C209** (1x360 tests)
Calibrator Part Number	**7C219**
Control Name (Part Number)	**No specific recommendation**
Measurement Principle	**Emit® Tox**
Reaction Type	**Fixed**
Primary Wavelength	**340 nm**
Measuring Points	**13, 15**
Liquid or Lyophilized	**Lyophilized**
Onboard Stability	DxC 700 AU: **28 days** AU480/AU680/AU5800: **28 days or user-defined**
Storage Temperature	**+2 to +8° C**
Calibration Frequency	**Reagent blank daily**
Compatible Anticoagulants	**Heparin, Oxalate, EDTA**
Reagent Volume	
› DxC 700 AU	**R1=60 µL, R2=60 µL**
› AU680	**R1=75 µL, R2=75 µL**
› AU5800/AU480	**R1=60 µL, R2=60 µL**
Sample Type	**Serum/Plasma**
› DxC 700 AU	Serum: **2 µL**
› AU680	Serum: **2.5 µL**
› AU5800/AU480	Serum: **2 µL**
Cutoff Level	**N/A**
Analytical Measurement Range	**User-defined**
Comment(s)	User-defined reagent.

	Cyclosporine	Everolimus
Abbreviation	**CSA**	**EVE**
Kit: DxC 700 AU	**A31849** (1x220 tests)	**A53716** (1x100 tests)
Kit: AU480/AU680	**A31849** (1x220 tests)	**A53716** (1x100 tests)
Kit: AU5800	**A31849** (1x220 tests)	**A53716** (1x100 tests)
Calibrator Part Number	**Low Cal set in Reagent Kit A31849; High Cal set 979511**	A53724: **6 levels, 1 x 3 µL per level**
Control Name (Part Number)	More Diagnostics Controls 1,2,3 for Low Range: **B51007, A53712, A43713** CSA controls C4,C5 for high range: **979512, 979513**	Thermo A53717: **3 levels, 1 x 3 µL per level**
Measurement Principle	**CEDIA/recombinant DNA technology Homogeneous enzyme immunoassay**	**Homogeneous particle-enhanced turbidimetric immunoassay**
Reaction Type	**Fixed 1**	**Fixed 1**
Primary Wavelength	**570**	**700**
Measuring Points	**24, 27**	**24, 27**
Liquid or Lyophilized	**Lyophilized***	**Liquid***
Onboard Stability	**28 days for DxC 700 AU** Other: **User-defined**	**29 days for DxC 700 AU** Other: **User-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**EDTA**	**EDTA-K_2**
Reagent Volume		
› DxC 700 AU	**R1=146 µL, R2=75 µL**	**R1=175 µL, R2=45 µL**
› AU480/AU680	**R1=146 µL, R2=75 µL**	**R1=175 µL, R2=45 µL**
› AU5800	**R1=131 µL, R2=67 µL**	**R1=156 µL, R2=40 µL**
Sample Type	**Whole blood treated with EDTA**	**Whole blood treated with EDTA-K_2**
› DxC 700 AU	Low range: **19 µL**, High range: **3 µl**	**10 µL**
› AU480/AU680	Low range: **19 µL**, High range: **3 µl**	**10 µL**
› AU5800	Low range: **17 µL**, High range: **2.7 µl**	**8.9 µL**
Analytical Measurement Range	Assay range (low range): **25–450 ng/µL** Assay range (high range): **450–2,000 ng/µL**	**1.50–20.00 ng/µL**
Reference Interval	**Consult literature**	**Consult literature**
Precision Specification	Typical CV: **Control Level 1 SD <10.0 ng/µL, Control Level 2 CV <7.5%, Control Level 3 CV <7.5%, Control Level 4 CV <10.0%, Control Level 5 CV <10.0%**	Typical CV for Thermo QMS controls: **Control Level 1 CV <20.0%, Control Level 2 CV <15.0%, Control Level 3 CV <15.0%**
Comment(s)	User-defined reagent. *Sample requires offline preparation. Prior to pouring reagent into AU bottles, allow the reagent to equilibrate for 15 minutes at refrigerated temperature (2 to 8°C).	User-defined reagent. *Sample preparation requires offline methanol extraction. Prior to pouring reagent into AU bottles, allow the reagent to equilibrate for 15 minutes at refrigerated temperature (2 to 8°C).

	Mycophenolic Acid	Tacrolimus
Abbreviation	**MPA**	**TACO**
Kit: DxC 700 AU	**B01460** (1x130 tests)	**A53727** (1x100 tests)
Kit: AU480/AU680	**B01460** (1x130 tests)	**A53727** (1x100 tests)
Kit: AU5800	**B01460** (1x130 tests)	**A53727** (1x100 tests)
Calibrator Part Number	**B37609**	**A53728**
Control Name (Part Number)	MAS Controls: **MAS B37611, B01543, B01544**	**More diagnostics B51007, A53712, A53713**
Measurement Principle	**CEDIA/recombinant DNA technology, Homogeneous enzyme immunoassay**	**Homogeneous particle-enhanced turbidimetric immunoassay**
Reaction Type	**Fixed 1**	**Fixed 1**
Primary Wavelength	**570**	**700**
Measuring Points	**24, 27**	**20, 27**
Liquid or Lyophilized	**Lyophilized**	**Liquid***
Onboard Stability	**30 days for DxC 700 AU** Other: **User-defined**	**30 days for DxC 700 AU** Other: **User-defined**
Storage Temperature	**+2 to +8° C**	**+2 to +8° C**
Calibration Frequency	**User-defined**	**User-defined**
Compatible Anticoagulants	**Na2EDTA or K2EDTA plasma**	**EDTA**
Reagent Volume		
› **DxC 700 AU**	**R1=150 µL, R2=60 µL**	**R1=125 µL, R2=75 µL**
› **AU480/AU680**	**R1=150 µL, R2=60 µL**	**R1=125 µL, R2=75 µL**
› **AU5800**	**R1=150 µL, R2=60 µL**	**R1=125 µL, R2=75 µL**
Sample Type	**Plasma EDTA**	**Whole blood treated with EDTA**
› **DxC 700 AU**	**7.5 µL**	**10 µL**
› **AU480/AU680**	**7.5 µL**	**10 µL**
› **AU5800**	**7.5 µL**	**10 µL**
Analytical Measurement Range	**0.30–10.00 ng/µL**	**1.0–30.0 ng/µL**
Reference Interval	**Consult literature**	**Consult literature**
Precision Specification	Typical CV for MAS controls: **Level 1 (≤15 %CV or 0.3 ug/mL SD), Level 2 (≤10.0 %CV)** **Level 3 (≤7.5 %CV)**	Typical CV: **Level 1 ~3.6 ng/mL, Level 2 ~10.5 ng/mL, Level 3 ~17.6 ng/mL, Level 4 ~25.9 ng/mL, All CVs ≤10.0%**
Comment(s)	User-defined reagent. Prior to pouring reagent into AU bottles, allow the reagent to equilibrate for 15 minutes at refrigerated temperature (2 to 8°C).	User-defined reagent. Note: *Sample preparation requires offline methanol extraction. Prior to pouring reagent into AU bottles, allow the reagent to equilibrate for 15 minutes at refrigerated temperature (2 to 8°C).

	Chloride	Sodium
Abbreviation	**CL**	**NA**
Kit: DxC 700 AU	**MU9196** (40,000 tests/electrode)	**MU9194** (40,000 tests/6 months)
Kit: AU480/AU680	**MU9196** (40,000 tests/electrode)	**MU9194** (40,000 tests/6 months)
Kit: AU5800	**MU9196** (40,000 tests/electrode)	**MU9194** (40,000 tests/6 months)
Calibrator Part Number	Serum Low & High Standards: **66317 & 66316** Urine Low/High Urine Standard: **66315**	Serum Low & High Standards: **66317 & 66316** Urine Low/High Urine Standard: **66315**
Control Name (Part Number)	Serum/Plasma: **Control Serum Level 1 & 2 (ODC0003 & ODC0004)** Urine: **Control material determined by this method**	Serum/Plasma: **Control Serum Level 1 & 2 (ODC0003 & ODC0004)** Urine: **Control material determined by this method**
Measurement Principle	**ISE (Indirect) Oriented PVC Membrane**	**ISE (Indirect) Crown-ether Membrane**
Reaction Type	**N/A**	**N/A**
Primary Wavelength	**N/A**	**N/A**
Measuring Points	**N/A**	**N/A**
Liquid or Lyophilized	**N/A**	**N/A**
Onboard Stability	66313 ISE Na+ /K+ Selectivity Check: **90 days** 66314 ISE Internal Reference: **90 days** 66315 ISE Low/High Urine Standard: **90 days** 66316 ISE High Serum Standard: **90 days** 66317 ISE Low Serum Standard: **90 days** 66318 ISE Reference: **60 days** 66319 ISE Mid Standard: **30 days** 66320 ISE Buffer: **60 days**	66313 ISE Na+ /K+ Selectivity Check: **90 days** 66314 ISE Internal Reference: **90 days** 66315 ISE Low/High Urine Standard: **90 days** 66316 ISE High Serum Standard: **90 days** 66317 ISE Low Serum Standard: **90 days** 66318 ISE Reference: **60 days** 66319 ISE Mid Standard: **30 days** 66320 ISE Buffer: **60 days**
Storage Temperature	**2 to 25 C (66314 @ 15 to + 25 C)**	
Calibration Frequency	**1 day**	**1 day**
Compatible Anticoagulants	**Lithium Heparin**	**Lithium Heparin**
Reagent Volume*		
› **DxC 700 AU**	Serum: **600 µL,** Urine: **750 µL**	Serum: **600 µL,** Urine: **750 µL**
› **AU480/AU680**	Serum: **618 µL,** Urine: **618 µL**	Serum: **618 µL,** Urine: **618 µL**
› **AU5800**	Serum: **618 µL,** Urine: **618 µL**	Serum: **618 µL,** Urine: **618 µL**
Sample Type	**Serum/Plasma/Urine**	**Serum/Plasma/Urine**
› **DxC 700 AU**	Serum/Plasma: **20 µL** Urine: **25 µL** CSF: **N/A**	Serum/Plasma: **20 µL** Urine: **25 µL** CSF: **N/A**
› **AU480/AU680**	Serum/Plasma: **20 µL** Urine: **20 µL** CSF: **N/A**	Serum/Plasma: **20 µL** Urine: **20 µL** CSF: **N/A**
› **AU5800**	Serum/Plasma: **20 µL** Urine: **20 µL** CSF: **N/A**	Serum/Plasma: **20 µL** Urine: **20 µL** CSF: **N/A**
Analytical Measurement Range	Serum/Plasma: **50–200 mmol/L** Urine: **15–400 mmol/L** CSF: **N/A**	Serum/Plasma: **50–200 mmol/L** Urine: **10–400 mmol/L** CSF: **N/A**
Reference Interval	Serum/Plasma: **101–109 mmol/L** Urine: **110–250 mmol/day** CSF: **N/A**	Serum/Plasma: **136–146 mmol/L** Urine: **40–220 mmol/day** CSF: **N/A**
Precision Specification	Serum/Plasma: **≤3% within run (n=5)** Urine: **≤3% within run (n=5)** CSF: **N/A**	Serum/Plasma: **≤3% CV within run (n=5)** Urine: **≤3% within run (n=5)** CSF: **N/A**
Comment(s)	*For ISEs, reagent volume section represents ISE buffer volume used per test. For ISEs, kit refers to the specific electrode part numbers.	*For ISEs, reagent volume section represents ISE buffer volume used per test.

Potassium

Abbreviation	**CL**
Kit: DxC 700 AU	**MU9195** (40,000 tests/6 months)
Kit: AU480/AU680	**MU9195** (40,000 tests/6 months)
Kit: AU5800	**MU9195** (40,000 tests/6 months)
Calibrator Part Number	Serum Low & High Standards: **66317 & 66316,** Urine Low/High Urine Standard: **66315**
Control Name (Part Number)	Serum/Plasma: **Control Serum Level 1 & 2 (ODC0003 & ODC0004),** Urine: **Control material determined by this method**
Measurement Principle	**ISE (Indirect) Crown-ether Membrane**
Reaction Type	**N/A**
Primary Wavelength	**N/A**
Measuring Points	**N/A**
Liquid or Lyophilized	**N/A**
Onboard Stability	66313 ISE Na+ /K+ Selectivity Check: **90 days** 66314 ISE Internal Reference: **90 days** 66315 ISE Low/High Urine Standard: **90 days** 66316 ISE High Serum Standard: **90 days** 66317 ISE Low Serum Standard: **90 days** 66318 ISE Reference: **60 days** 66319 ISE Mid Standard: **30 days** 66320 ISE Buffer: **60 days**
Storage Temperature	
Calibration Frequency	**1 day**
Compatible Anticoagulants	**Lithium Heparin**
Reagent Volume*	
› **DxC 700 AU**	Serum: **600 µL,** Urine: **750 µL**
› **AU480/AU680**	Serum: **618 µL,** Urine: **618 µL**
› **AU5800**	Serum: **618 µL,** Urine: **618 µL**
Sample Type	**Serum/Plasma/Urine**
› **DxC 700 AU**	Serum/Plasma: **20 µL** Urine: **25 µL** CSF: **N/A**
› **AU480/AU680**	Serum/Plasma: **20 µL** Urine: **20 µL** CSF: **N/A**
› **AU5800**	Serum/Plasma: **20 µL** Urine: **20 µL** CSF: **N/A**
Analytical Measurement Range	Serum/Plasma: **1–10 mmol/L** Urine: **2–200 mmol/L** CSF: **N/A**
Reference Interval	Serum: **3.5–5.1 mmol/L** Plasma: **3.4–4.5 mmol/L** Urine: **25–125 mmol/day** CSF: **N/A**
Precision Specification	Serum/Plasma: **≤3% within run (n=5)** Urine: **≤3% within run (n=5)** CSF: **N/A**
Comment(s)	*For ISEs, reagent volume section represents ISE Buffer volume used per test.

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