

MOVING YOUR LAB FORWARD

AU REAGENT QUICK REFERENCE GUIDE



The precision specifications for the AU reagents listed in this document represent the 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 the photometric time points the software uses to calculate a result for each assay.

References to AU2700 listed in this document are also applicable to AU2700plus. If you require additional information regarding any of the assays, please consult each individual chemistry's Instructions for Use (IFU) and analyzer-specific setting sheet.



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GENERAL CHEMISTRY

	Alanine Aminotransferase (IFCC)	Albumin	
Abbreviation	ALT	ALB	
Kit: AU400/AU640	OSR6007 (4 x 110 tests) OSR6107 (4 x 500 tests)	OSR6102 (4 x 500 tests) OSR6202 (4 x 910 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6107 (4 x 980 tests) OSR6507 (4 x 1860 tests) [†]	OSR6102 (4 x 620 tests) OSR6202 (4 x 1120 tests)	
Kit: AU5800	OSR6007 (4 x 210 tests) OSR6107 (4 x 980 tests)	OSR6102 (4 x 845 tests) OSR6202 (4 x 1450 tests)	
Calibrator Part Number	66300	66300	
Control (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 (MP)	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			
AU400/AU640	R1 = 100 µL, R2 = 50 µL	R1 = 58 µL	
AU480/AU680/AU2700/ AU5400	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	
Sample Size (AU400/AU640)	Serum/Plasma: 10 µL (Pediatric: 10 µL) Urine: N/A CSF: N/A	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	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	
Sample Size (AU5800)	Serum/Plasma: 5 µL (With: Pediatric: 5 µL) Urine: N/A CSF: N/A	Serum/Plasma: 1.1 µL (Pediatric: 1.1 µL) Urine: N/A CSF: N/A	
Analytical Range	Serum/Plasma: 3-500 U/L Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.05-8.33 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: 1.5-6.0 g/dL 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 ukat/L Female: < 0.6 ukat/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
Total 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
Comment(s)	[†] AU2700/AU5400 only *OSR60180		

	Alkaline Phosphatase (GSCC)		Alkaline Phosphatase (IFCC)	
Abbreviation	ALP		ALP	
Kit: AU400/AU640	OSR6103 (4 x 500 tests)		OSR6004 (4 x 200 tests) OSR6104 (4 x 485 tests) OSR6204 (4 x 880 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6103 (4 x 820 tests)		OSR6004 (4 x 310 tests) OSR6104 (4 x 820 tests) OSR6204 (4 x 1450 tests)	
Kit: AU5800	OSR6103 (4 x 955 tests)		OSR6004 (4 x 400 tests) OSR6104 (4 x 945 tests) OSR6204 (4 x 1625 tests)	
Calibrator Part Number	66300		66300	
Control (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)		Control Serum 1 & 2 (ODC0003, ODC0004)	
Measurement Principle	GSCC DEA buffer		IFCC AMP-Buffer	
Reaction Type	Rate		Rate	
Primary Wavelength	410 nm		410 nm	
Measuring Points	13, 19 (AU400/AU600/AU640) 16, 27 (AU480/AU680/AU2700/AU5400/AU5800)		13, 19 (AU400/AU600/AU640) 16, 27 (AU480/AU680/AU2700/AU5400/AU5800)	
Liquid or Lyophilized	Liquid		Liquid	
Onboard Stability	14 days*		14 days*	
Onboard Stability (AU5800)	7 days*		7 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				
AU400/AU640	R1 = 60 µL, R2 = 60 µL		R1 = 60 µL, R2 = 60 µL	
AU480/AU680/AU2700/ AU5400	R1 = 36 µL, R2 = 36 µL		R1 = 36 µL, R2 = 36 µL	
AU5800	R1 = 28 µL, R2 = 28 µL		R1 = 28 µL, R2 = 28 µL	
Sample Type	Serum/Plasma		Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 3 µL (Pediatric: 3 µL) Urine: N/A CSF: N/A		Serum/Plasma: 3 µL (Pediatric: 3 µL) Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 1.8 µL (Pediatric: 1.8 µL) Urine: N/A CSF: N/A		Serum/Plasma: 1.8 µL (Pediatric: 1.8 µL) Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 1.4 µL (Pediatric: 1.4 µL) Urine: N/A CSF: N/A		Serum/Plasma: 1.4 µL (Pediatric: 1.4 µL) Urine: N/A CSF: N/A	
Analytical Range		SI Units		SI Units
	Serum/Plasma: 5-1500 U/L Urine: N/A CSF: N/A	Serum/Plasma: 0.1-25.0 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: 5-1500 U/L Urine: N/A CSF: N/A	Serum/Plasma: 0.1-25.0 µkat/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Male: 80-300 U/L Female: 64-300 U/L Urine: N/A CSF: N/A For Pediatric reference interval ranges refer to IFU	Serum/Plasma: Male: 1.3-5.0 µkat/L Female: 1.0-5.0 µkat/L Urine: N/A CSF: N/A For Pediatric reference interval ranges refer to IFU	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
Total 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)	*Air sensitive reagent, refer to IFU		*Air sensitive reagent, refer to IFU	

GENERAL CHEMISTRY

	Amylase (CNP63)		Amylase (IFCC-EPS)	
Abbreviation	AMY		AMY	
Kit: AU400/AU640	OSR6006 (4 x 50 tests) OSR6106 (4 x 200 tests)		OSR6182 (4 x 200 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6006 (4 x 60 tests) OSR6106 (4 x 240 tests)		OSR6182 (4 x 400 tests)	
Kit: AU5800	OSR6006 (4 x 80 tests) OSR6106 (4 x 320 tests)		OSR6182 (4 x 460 tests)	
Calibrator Part Number	Serum/Plasma: 66300, Urine: ODC0025		Serum/Plasma: 66300, Urine: ODC0025	
Control (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	CNP6 ₃		IFCC-EPS	
Reaction Type	Rate		Rate	
Primary Wavelength	410 nm		410 nm	
Measuring Points	5, 10		20, 27	
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	Run in MB mode		Run in MB mode	
Compatible Anticoagulants	Heparin		Heparin	
Reagent Volume				
AU400/AU640	Serum/Plasma: R1 = 200 µL, Urine: R1 = 150 µL		Serum/Plasma: R1 = 200 µL, R2 = 50 µL, Urine: R1 = 150 µL, R2 = 38 µL	
AU480/AU680/AU2700/ AU5400	Serum/Plasma R1 = 160 µL Urine: R1 = 150 µL		R1 = 100 µL, R2 = 25 µL	
AU5800	Serum/Plasma R1 = 120 µL Urine: R1 = 150 µL		Serum/Plasma: R1 = 75 µL, R2 = 19 µL Urine: R1 = 100 µL, R2 = 25 µL	
Sample Type	Serum/Plasma/Urine		Serum/Plasma/Urine	
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL Urine: 1 µL CSF: N/A		Serum/Plasma: 4 µL Urine: 1.5 µL CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 1.6 µL Urine: 1 µL CSF: N/A		Serum/Plasma: 2 µL Urine: 1 µL CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 1.2 µL Urine: 1 µL CSF: N/A		Serum/Plasma: 1.5 µL Urine: 1 µL CSF: N/A	
Analytical Range		SI Units		SI Units
	Serum/Plasma: 10-2000 U/L Urine: 5-4800 U/L CSF: N/A	Serum/Plasma: 0.2-33.3 µkat/L Urine: 0.1-80 µkat/L CSF: N/A	Serum/Plasma: 10-1500 U/L Urine: 10-4800 U/L CSF: N/A	Serum/Plasma: 0.2-25.0 µkat/L Urine: 0.0-80.0 µkat/L CSF: N/A
Reference Interval				
	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	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
Total Precision Specification				
	Serum/Plasma: ≤ 10% CV Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: ≤ 10% CV Urine: ≤ 10% CV 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)				

	Aspartate Aminotransferase (IFCC)	Bicarbonate	
	AST	CO ₂	
Abbreviation	AST	CO ₂	
Kit: AU400/AU640	OSR6009 (4 x 105 tests) OSR6109 (4 x 500 tests) OSR6209 (4 x 1000 tests)	OSR6190 (4 x 500 tests) OSR6290 (4 x 1000 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6109 (4 x 980 tests) OSR6209 (4 x 1960 tests) OSR6509 (4 x 3700 tests) [†]	OSR6190 (4 x 580 tests) OSR6290 (4 x 1160 tests)	
Kit: AU5800	OSR6009 (4 x 200 tests) OSR6109 (4 x 1020 tests) OSR6209 (4 x 1935 tests)	OSR6190 (4 x 740 tests) OSR6290 (4 x 1440 tests)	
Calibrator Part Number	66300	ODC0019	
Control (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*	
Compatible Anticoagulants	Heparin	Heparin	
Reagent Volume			
AU400/AU640	R1 = 50 µL, R2 = 50 µL	R1 = 50 µL	
AU480/AU680/AU2700/ AU5400	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	
Sample Size (AU400/AU640)	Serum/Plasma: 10 µL (Pediatric: 10 µL) Urine: N/A CSF: N/A	Serum/Plasma: 3 µL (Pediatric: 3 µL) Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	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	
Sample Size (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	
Analytical Range	Serum/Plasma: 3-1000 U/L Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.05-16.7 µkat/L Urine: N/A CSF: N/A	SI Units 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: < 0.60 µkat/L Urine: N/A CSF: N/A For Pediatric reference interval ranges refer to IFU	Serum/Plasma: Adults: 21-31 mmol/L Urine: N/A CSF: N/A For Pediatric reference interval ranges refer to IFU
Total Precision Specification	Serum/Plasma: ≤ 10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤ 10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤ 7% CV or SD ≤ 1.5 mmol/L Urine: N/A CSF: N/A
Comment(s)	[†] AU2700/AU5400 only *OSR60180		*Air sensitive reagent, refer to IFU

GENERAL CHEMISTRY

	Calcium Arsenazo	Calcium oCPC		
Abbreviation	CALA	CA		
Kit: AU400/AU640	OSR60117 (4 x 500 tests) OSR61117 (4 x 930 tests)	OSR6113 (4 x 450 tests) OSR6213 (4 x 815 tests)		
Kit: AU480/AU680/AU2700/ AU5400	OSR60117 (4 x 700 tests) OSR61117 (4 x 1313 tests)	OSR6113 (4 x 590 tests) OSR6213 (4 x 1080 tests)		
Kit: AU5800	OSR60117 (4 x 890 tests) OSR61117 (4 x 1700 tests)	OSR6113 (4 x 720 tests) OSR6213 (4 x 1310 tests)		
Calibrator Part Number	Serum/Plasma: 66300, Urine: ODC0025	Serum/Plasma: 66300, Urine: ODC0025		
Control (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 +25°C		
Calibration Frequency	User defined	Daily, AU5800: User defined*		
Compatible Anticoagulants	Heparin	Heparin		
Reagent Volume				
AU400/AU640	Serum: R1 = 29 µL, Urine: R1 = 25 µL	Serum: R1 = 60 µL, R2 = 60 µL, Urine: R1 = 60 µL, R2 = 60 µL		
AU480/AU680/AU2700/ AU5400	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		
Sample Size (AU400/AU640)	Serum/Plasma: 3.5 µL (Pediatric: 3.5 µL) Urine: 2 µL CSF: N/A	Serum/Plasma: 5 µL (Pediatric: 5 µL) Urine: 2 µL CSF: N/A		
Sample Size (AU480/AU680/AU2700/ AU5400)	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		
Sample Size (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 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: 2.2-2.65 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
Total 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		

GENERAL CHEMISTRY

	Cholesterol		Creatine Kinase	
	CHOL		CK	
Abbreviation				
Kit: AU400/AU640	OSR6116 (4 x 500 tests) OSR6216 (4 x 1000 tests)		OSR6179 (4 x 200 tests) OSR6279 (4 x 425 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6116 (4 x 910 tests) OSR6216 (4 x 1830 tests) OSR6516 (4 x 3975 tests) [†]		OSR6179 (4 x 230 tests) OSR6279 (4 x 490 tests)	
Kit: AU5800	OSR6116 (4 x 1190 tests) OSR6216 (4 x 2380 tests)		OSR6179 (4 x 300 tests) OSR6279 (4 x 640 tests)	
Calibrator Part Number	66300		66300	
Control (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				
AU400/AU640	R1 = 45 µL		R1 = 120 µL, R2 = 30 µL ¹	
AU480/AU680/AU2700/ AU5400	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	
Sample Size (AU400/AU640)	Serum/Plasma: 3 µL Urine: N/A CSF: N/A		Serum/Plasma: 3 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A		Serum/Plasma: 2.5 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A		Serum/Plasma: 1.9 µL Urine: N/A CSF: N/A	
Analytical Range		SI Units		SI Units
	Serum/Plasma: 20-700 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.5-18 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
Total 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)	[†] AU2700/AU5400 only		¹ Transfer R1-2 into R1-1 and mix by gentle inversion	

Creatinine

Abbreviation	CRE			
Kit: AU400/AU640	OSR6178 (4 x 425 tests)			
Kit: AU480/AU680/AU2700/AU5400	OSR6178 (4 x 990 tests) OSR6578 (4 x 1870 tests) [†]			
Kit: AU5800	OSR6178 (4 x 1215 tests)			
Calibrator Part Number	Serum/Plasma: 66300, Urine: ODC0025			
Control (Part Number)	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system			
Measurement Principle	Modified Jaffe, Kinetic			
Reaction Type	Fixed			
Primary Wavelength	520 nm			
Measuring Points	13, 24			
Liquid or Lyophilized	Liquid			
Onboard Stability	7 days ¹			
Onboard Stability (AU5800)	7 days ¹			
Storage Temperature	+2 to +8°C			
Calibration Frequency	Daily Calibration*			
Compatible Anticoagulants	EDTA, Heparin			
Reagent Volume				
AU400/AU640	Serum/Plasma: R1 = 120 µL, R2 = 120 µL, Urine: R1 = 58 µL, R2 = 58 µL			
AU480/AU680/AU2700/AU5400	Serum/Plasma: R1 = 48 µL, R2 = 48 µL Urine: R1 = 47 µL, R2 = 47 µL			
AU5800	Serum/plasma: R1 = 36 µL, R2 = 36 µL Urine: R1 = 35 µL, R2 = 35 µL			
Sample Type	Serum/Plasma/Urine			
Sample Size (AU400/AU640)	Serum/Plasma: 20 µL (Pediatric: 20 µL) Urine: 2 µL CSF: N/A			
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 8 µL (Pediatric: 8 µL) Urine: 1.6 µL CSF: N/A			
Sample Size (AU5800)	Serum/Plasma: 6 µL (Pediatric: 6 µL) Urine: 1.2 µL CSF: N/A			
Analytical Range	Serum/Plasma:		SI Units	
	Method A: 0.06-25.0 mg/dL Method B: 0.2-25 mg/dL Urine: 1-400 mg/dL CSF: N/A		Serum/Plasma: Method A: 5-2200 µmol/L Method B: 18-2200 µmol/L Urine: 88-35360 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 <small>For Pediatric reference interval ranges refer to IFU</small>	Serum/Plasma: Method B: Male < 50 years: 0.84-1.25 mg/dL Female: 0.66-1.09 mg/dL <small>For Pediatric reference interval ranges refer to IFU</small>	Serum/Plasma: Method A: Male: 59-104 µmol/L Female: 45-84 µmol/L <small>For Pediatric reference interval ranges refer to IFU</small>	Serum/Plasma: Method B: Male < 50 years: 74-110 µmol/L Male > 50 years: 72-127 µmol/L Female: 58-96 µmol/L <small>For Pediatric reference interval ranges refer to IFU</small>
	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	
Total Precision Specification	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. [†] AU2700/AU5400 only. *Run QC every 8 hours. ¹ Air sensitive reagent, refer to IFU			

GENERAL CHEMISTRY

	Creatinine (Enzymatic)		Direct Bilirubin	
Abbreviation	CREZ		DBIL ¹	
Kit: AU400/AU640	OSR61204 (4 x 300 tests)		OSR6111 (4 x 200 tests) OSR6211 (4 x 660 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR61204 (4 x 360 tests)		OSR6111 (4 x 230 tests) OSR6211 (4 x 780 tests)	
Kit: AU5800	OSR61204 (4 x 450 tests)		OSR6111 (4 x 310 tests) OSR6211 (4 x 1050 tests)	
Calibrator Part Number	Serum/Plasma: 66300, Urine: ODC0025		66300	
Control (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	Enzymatic		DPD	
Reaction Type	End		End, Sample Blank (2 cuvettes)	
Primary Wavelength	600 nm		570 nm	
Measuring Points	0,27/ 0,10		0, 2	
Liquid or Lyophilized	Liquid		Liquid	
Onboard Stability	60 days		21 days	
Onboard Stability (AU5800)	60 days		21 days	
Storage Temperature	+2 to +8°C		+2 to +8°C	
Calibration Frequency	Serum/Plasma: 14 days, Urine: 30 days		21 days	
Compatible Anticoagulants	Heparin		Heparin	
Reagent Volume				
AU400/AU640	Serum/Plasma: R1 = 150 µL, R2 = 50 µL, Urine: R1 = 150 µL, R2 = 50 µL		R1 = 30 µL, Pediatric: R1 = 35 µL	
AU480/AU680/AU2700/ AU5400	Serum/Plasma: R1 = 120 µL, R2 = 40 µL Urine: R1 = 150 µL, R2 = 50 µL		R1 = 25 µL Pediatric: R1 = 27 µL	
AU5800	Serum/Plasma: R1 = 90 µL, R2 = 30 µL Urine: R1 = 150 µL, R2 = 50 µL		Serum/Plasma: R1 = 19 µL Pediatric: R1 = 20 µL	
Sample Type	Serum/Plasma/Urine		Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 7 µL Urine: 1 µL CSF: N/A		Serum/Plasma: 3 µL (Pediatric: 3.5 µL) Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 5.6 µL Urine: 1 µL CSF: N/A		Serum/Plasma: 2.5 µL (Pediatric: 2.7 µL) Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 4.2 µL Urine: 1 µL CSF: N/A		Serum/Plasma: 1.9 µL (Pediatric 2 µL) Urine: N/A CSF: N/A	
Analytical Range	Serum/Plasma: 0.05-50 mg/dL Urine: 1-500 mg/dL CSF: N/A	SI Units Serum/Plasma: 4.4-4420 µmol/L Urine: 88-44200 µmol/L CSF: N/A	Serum/Plasma: 0-10 mg/dL Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0-171 µmol/L Urine: N/A CSF: N/A
Reference Interval	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	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
Total Precision Specification	Serum/Plasma: ≤ 5% CV Urine: ≤ 5% CV CSF: N/A	Serum/Plasma: ≤ 5% CV Urine: ≤ 5% CV CSF: N/A	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
Comment(s)	¹ Both a color test DBIL-C and blank test DBIL-B to be run			

GENERAL CHEMISTRY

	Gamma-Glutamyltransferase		Glucose	
	GGT		GLU	
Abbreviation	GGT		GLU	
Kit: AU400/AU640	OSR6020 (4 x 200 tests) OSR6120 (4 x 500 tests)		OSR6121 (4 x 500 tests) OSR6221 (4 x 1050 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6020 (4 x 250 tests) OSR6120 (4 x 650 tests) OSR6520 (4 x 1485 tests)†		OSR6121 (4 x 610 tests) OSR6221 (4 x 1300 tests) OSR6521 (4 x 2265 tests)†	
Kit: AU5800	OSR6020 (4 x 325 tests) OSR6120 (4 x 810 tests)		OSR6121 (4 x 810 tests) OSR6221 (4 x 1600 tests)	
Calibrator Part Number	66300		Serum/Plasma/CSF/Hemolysate: 66300 Urine: ODC0025	
Control (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)		Serum/Plasma/Hemolysate: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system CSF: N/A	
Measurement Principle	IFCC		Hexokinase	
Reaction Type	Rate		End	
Primary Wavelength	410 nm		340 nm	
Measuring Points	14, 23 (AU400/AU600/AU640) 16, 23 (AU480/AU680/AU2700/AU5400/AU5800)		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	Run in MB mode		30 days	
Compatible Anticoagulants	EDTA, Heparin		EDTA, Heparin	
Reagent Volume				
AU400/AU640	R1 = 80 µL, R2 = 80 µL		R1 = 50 µL, R2 = 25 µL	
AU480/AU680/AU2700/ AU5400	R1 = 64 µL, R2 = 64 µL		Serum/Plasma/CSF/Hemolysate: R1 = 40 µL, R2 = 20 µL Urine: R1 = 30 µL, R2 = 15 µL	
AU5800	Serum/Plasma: R1 = 48 µL, R2 = 48 µL Pediatric: R1 = 64 µL, R2 = 64 µL		R1 = 30 µL, R2 = 15 µL	
Sample Type	Serum/Plasma		Serum/Plasma/Urine/CSF/Hemolysate	
Sample Size (AU400/AU640)	Serum/Plasma: 5 µL (Pediatric: 5µL) Urine: N/A CSF: N/A		Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: 2 µL CSF: 2 µL Hemolysate: 20 µL	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 4 µL (Pediatric: 4 µL) Urine: N/A CSF: N/A		Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: 1.2 µL CSF: 1.6 µL Hemolysate: 16 µL	
Sample Size (AU5800)	Serum/Plasma: 3 µL (Pediatric: 4 µL) Urine: N/A CSF: N/A		Serum/Plasma: 1.2 µL (Pediatric: 1.2 µL) Urine: 1.2 µL CSF: 1.2 µL Hemolysate: 12 µL	
		SI Units		SI Units
Analytical Range	Serum/Plasma: 5-1200 U/L Urine: N/A CSF: N/A	Serum/Plasma: 0.08-20 µkat/L Urine: N/A CSF: N/A	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 mmol/L Urine: 0-45 mmol/L CSF: 0.6-45 mmol/L Hemolysate: 0.6-45 mmol/L
Reference Interval	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	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
Total 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: ≤ 3% CV CSF: ≤ 3% CV Hemolysate: ≤ 5% CV	Serum/Plasma: ≤ 3% CV Urine: ≤ 3% CV CSF: ≤ 3% CV Hemolysate: ≤ 5% CV
Comment(s)	† AU680/AU2700/AU5400 only		† AU2700/AU5400 only	

GENERAL CHEMISTRY

	Glucose - STAT		HDL Cholesterol	
Abbreviation	GLU-S		HDL-C	
Kit: AU400/AU640	OSR6140 (4 x 500 tests)		OSR6187 (4 x 150 tests) OSR6287 (4 x 285 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6140 (4 x 620 tests)		OSR6187 (4 x 185 tests) OSR6287 (4 x 350 tests) OSR6587 (4 x 695 tests) [†]	
Kit: AU5800	OSR6140 (4 x 810 tests)		OSR6187 (4 x 240 tests) OSR6287 (4 x 455 tests)	
Calibrator Part Number	66300		ODC0011	
Control (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)		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, 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		30 days	
Compatible Anticoagulants	EDTA, Heparin		Heparin	
Reagent Volume				
AU400/AU640	R1 = 75 µL		R1 = 180 µL, R2 = 60 µL	
AU480/AU680/AU2700/ AU5400	R1 = 60 µL		R1 = 144 µL, R2 = 48 µL	
AU5800	R1 = 45 µL		R1 = 108 µL, R2 = 36 µL	
Sample Type	Serum/Plasma		Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL Urine: N/A CSF: N/A		Serum/Plasma: 2 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A		Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A		Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	
Analytical Range		SI Units		SI Units
	Serum/Plasma: 10-800 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0.6-45 mmol/L Urine: N/A CSF: N/A	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: 74-106 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 4.1-5.9 mmol/L Urine: N/A CSF: N/A	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
Total Precision Specification				
	Serum/Plasma: ≤ 3% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤ 3% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤ 4% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤ 4% CV Urine: N/A CSF: N/A
Comment(s)	[†] AU2700/AU5400 only			

	Hydroxybutyrate Dehydrogenase		Iron	
Abbreviation	HBDH		IRON	
Kit: AU400/AU640	OSR6129 (4 x 200 tests)		OSR6186 (4 x 300 tests) OSR6286 (4 x 595 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6129 (4 x 230 tests)		OSR6186 (4 x 500 tests) OSR6286 (4 x 970 tests)	
Kit: AU5800	OSR6129 (4 x 230 tests)		OSR6186 (4 x 500 tests) OSR6286 (4 x 937 tests)	
Calibrator Part Number	66300		66300	
Control (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	12, 27 (AU400/AU600/AU640) 13, 27 (AU480/AU680/AU2700/AU5400/AU5800)		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				
AU400/AU640	R1 = 75 µL, R2 = 75 µL		R1 = 50 µL, R2 = 50 µL	
AU480/AU680/AU2700/ AU5400	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	
Sample Size (AU400/AU640)	Serum/Plasma: 3 µL Urine: N/A CSF: N/A		Serum/Plasma: 20 µL (Pediatric: 20 µL) Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 2.5 µL Urine: N/A CSF: N/A		Serum/Plasma: 12 µL (Pediatric: 12 µL) Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 2.5 µL Urine: N/A CSF: N/A		Serum/Plasma: 12 µL ¹ Urine: N/A CSF: N/A	
Analytical Range	Serum/Plasma: 40-1000 U/L Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.67-16.67 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: 10-1000 µg/dL Urine: N/A CSF: N/A	SI Units 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 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
Total 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)	
	LDL-C		LDH28	
Abbreviation				
Kit: AU400/AU640	OSR6183 (4 x 150 tests) OSR6283 (4 x 285 tests)		OSR6128 (4 x 500 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6183 (4 x 185 tests) OSR6283 (4 x 350 tests)		OSR6128 (4 x 640 tests)	
Kit: AU5800	OSR6183 (4 x 240 tests) OSR6283 (4 x 455 tests)		OSR6128 (4 x 830 tests)	
Calibrator Part Number	ODC0012		66300	
Control (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		14, 23 (AU400/AU640) 15, 23 (AU480/AU680/AU2700/AU5400/AU5800)	
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	30 days		User defined	
Compatible Anticoagulants	Heparin		Heparin	
Reagent Volume				
AU400/AU640	R1 = 180 µL, R2 = 60 µL		R1 = 80 µL, R2 = 40 µL	
AU480/AU680/AU2700/ AU5400	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	
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL Urine: N/A CSF: N/A		Serum/Plasma: 3 µL (Pediatric: 3 µL) Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	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	
Sample Size (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	
Analytical Range		SI Units		SI Units
	Serum/Plasma: 0.26-10.3 mmol/L Urine: N/A CSF: N/A	Serum/Plasma: 10-400 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 25-1200 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: < 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: 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: 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
Total 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)				

	Lactate Dehydrogenase (SCE)		Lipase	
Abbreviation	LDH26		LIP	
Kit: AU400/AU640	OSR6126 (4 x 500 tests)		OSR6130 (4 x 45 tests) OSR6230 (4 x 150 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6126 (4 x 820 tests)		OSR6130 (4 x 50 tests) OSR6230 (4 x 180 tests)	
Kit: AU5800	OSR6126 (4 x 1080 tests)		OSR6130 (4 x 70 tests) OSR6230 (4 x 230 tests)	
Calibrator Part Number	66300		Included in kit or 66300	
Control (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	12, 27 (AU400/AU600/AU640) 13, 27 (AU480/AU680/AU2700/AU5400/AU5800)		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				
AU400/AU640	R1 = 100 µL, R2 = 50 µL		R1 = 180 µL, R2 = 60 µL ¹	
AU480/AU680/AU2700/ AU5400	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	
Sample Size (AU400/AU640)	Serum/Plasma: 3 µL Urine: N/A CSF: N/A		Serum/Plasma: 2 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 1.8 µL Urine: N/A CSF: N/A		Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 1.3 µL Urine: N/A CSF: N/A		Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	
Analytical Range	Serum/Plasma: 50-3000 U/L Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.8-50.0 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: 3-600 U/L Urine: N/A CSF: N/A	SI Units 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: 3.47-6.30 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
Total 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			

GENERAL CHEMISTRY

	Magnesium	Phosphorus (Inorganic)		
Abbreviation	MG	PHOS		
Kit: AU400/AU640	OSR6189 (4 x 200 tests)	OSR6122 (4 x 500 tests) OSR6222 (4 x 1330 tests)		
Kit: AU480/AU680/AU2700/ AU5400	OSR6189 (4 x 250 tests)	OSR6122 (4 x 590 tests) OSR6222 (4 x 1570 tests)		
Kit: AU5800	OSR6189 (4 x 250 tests)	OSR6122 (4 x 790 tests) OSR6222 (4 x 2100 tests)		
Calibrator Part Number	Serum/Plasma: 66300, Urine: ODC0025	Serum/Plasma: 66300, Urine: ODC0025		
Control (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	Xylydyl Blue, Colourimetric, Tris-Buffer	Phosphomolybdate Complex		
Reaction Type	End	End		
Primary Wavelength	520 nm	340 nm		
Measuring Points	0, 27 (AU400/AU600/AU640) 0, 10 (AU480/AU680/AU2700/AU5400/AU5800)	0, 27/0, 10		
Liquid or Lyophilized	Liquid	Liquid		
Onboard Stability	14 days	30 days		
Onboard Stability (AU5800)	14 days	30 days		
Storage Temperature	+2 to +8°C	+2 to +8°C		
Calibration Frequency	7 days	30 days		
Compatible Anticoagulants	Heparin	Heparin		
Reagent Volume				
AU400/AU640	R1 = 200 µL	R1 = 30 µL, R2 = 30 µL		
AU480/AU680/AU2700/ AU5400	Serum: R1 = 160 µL Urine: R1 = 200 µL	R1 = 25 µL, R2 = 25 µL		
AU5800	Serum: R1 = 160 µL Urine: R1 = 170 µL	R1 = 19 µL, R2 = 19 µL		
Sample Type	Serum/Plasma/Urine	Serum/Plasma/Urine		
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 3 µL Urine: 2 µL of a 1/10 pre-dilution CSF: N/A		
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 1.6 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 2.5 µL Urine: 1.7 µL of a 1/10 pre-dilution CSF: N/A		
Sample Size (AU5800)	Serum/Plasma: 1.6 µL Urine: 1 µL CSF: N/A	Serum/Plasma: 1.9 µL Urine: 1.3 µL CSF: N/A		
Analytical Range	Serum/Plasma: 0.5-8.0 mg/dL Urine: All analyzers except AU5800: 0.5-22.5 mg/dL AU5800: 0.5-18.9 mg/dL CSF: N/A	Serum/Plasma: 0.2-3.3 mmol/L Urine: All analyzers except AU5800: 0.2-9.25 mmol/L AU5800: 0.2-7.8 mmol/L CSF: N/A	Serum/Plasma: 1-20 mg/dL Urine: 0-350 mg/dL CSF: N/A	SI Units Serum/Plasma: 0.32-6.40 mmol/L Urine: 0-113 mmol/L CSF: N/A
Reference Interval	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	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
Total 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 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
Comment(s)				

	Total Bilirubin		Total Protein	
Abbreviation	TBIL ¹		TP	
Kit: AU400/AU640	OSR6112 (4 x 500 tests) OSR6212 (4 x 1330 tests)		OSR6132 (4 x 500 tests) OSR6232 (4 x 960 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6112 (4 x 590 tests) OSR6212 (4 x 1570 tests)		OSR6132 (4 x 750 tests) OSR6232 (4 x 1440 tests)	
Kit: AU5800	OSR6112 (4 x 750 tests) OSR6212 (4 x 2020 tests)		OSR6132 (4 x 980 tests) OSR6232 (4 x 1880 tests)	
Calibrator Part Number	66300		66300	
Control (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)		Control Serum 1 & 2 (ODC0003, ODC0004)	
Measurement Principle	DPD		Biuret	
Reaction Type	End, Sample Blank (2 cuvette)		End	
Primary Wavelength	540 nm		540 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 +25°C	
Calibration Frequency	User defined		User defined*	
Compatible Anticoagulants	EDTA, Heparin		EDTA, Heparin	
Reagent Volume				
AU400/AU640	R1 = 30 µL, Pediatric: R1 = 32 µL		R1 = 50 µL, R2 = 50 µL	
AU480/AU680/AU2700/ AU5400	R1 = 25 µL Pediatric: R1 = 26 µL		R1 = 33 µL, R2 = 33 µL	
AU5800	R1 = 20 µL		R1 = 25 µL, R2 = 25 µL	
Sample Type	Serum/Plasma		Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 6 µL (Pediatric: 6 µL) Urine: N/A CSF: N/A		Serum/Plasma: 6.0 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 5 µL (Pediatric: 5 µL) Urine: N/A CSF: N/A		Serum/Plasma: 5 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 4 µL (Pediatric: 3.8 µL) Urine: N/A CSF: N/A		Serum/Plasma: 3 µL Urine: N/A CSF: N/A	
Analytical Range	SI Units		SI Units	
	Serum/Plasma: 0-30 mg/dL Urine: N/A CSF: N/A	Serum/Plasma: 0-513 µmol/L Urine: N/A CSF: N/A	Serum/Plasma: 3-12 g/dL Urine: N/A CSF: N/A	Serum/Plasma: 30-120 g/L Urine: N/A CSF: N/A
Reference Interval	SI Units		SI Units	
	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	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
Total Precision Specification	SI Units		SI Units	
	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	Serum/Plasma: ≤ 4% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤ 4% CV Urine: N/A CSF: N/A
Comment(s)	¹ Both a color test TBIL-C and blank test TBIL-B need to be run		*Air sensitive reagent, refer to IFU	

GENERAL CHEMISTRY

	Triglyceride	Unsaturated Iron Binding Capacity	
Abbreviation	TRIG	UIBC	
Kit: AU400/AU640	OSR60118 (4 x 200 tests) OSR61118 (4 x 500 tests)	OSR61205 (4 x 170 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR60118 (4 x 290 tests) OSR61118 (4 x 750 tests)	OSR61205 (4 x 200 tests)	
Kit: AU5800	OSR60118 (4 x 280 tests) OSR60118 (4 x 750 tests)	OSR61205 (4 x 200 tests)	
Calibrator Part Number	66300	66300	
Control (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	Control Serum 1 & 2 (ODC0003, ODC0004)	
Measurement Principle	GPO-POD	Nitroso-PSAP	
Reaction Type	End	End	
Primary Wavelength	660 nm	800 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	14 days	
Compatible Anticoagulants	EDTA, Heparin	Heparin	
Reagent Volume			
AU400/AU640	R1 = 100 µL, R2 = 25 µL	R1 = 150 µL, R2 = 30 µL ¹	
AU480/AU680/AU2700/ AU5400	R1 = 66 µL, R2 = 17 µL	R1 = 120 µL, R2 = 24 µL ¹	
AU5800	R1 = 66 µL, R2 = 17 µL	R1 = 120 µL, R2 = 24 µL ¹	
Sample Type	Serum/Plasma	Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: N/A CSF: N/A	Serum/Plasma: 10 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: 8 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: 8 µL Urine: N/A CSF: N/A	
Analytical Range	Serum/Plasma: 10-1000 mg/dL Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.1-11.3 mmol/L Urine: N/A CSF: N/A	SI Units Serum/Plasma: 55-550 µg/dL Urine: N/A CSF: N/A
Reference Interval	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	Serum/Plasma: 27.8-63.6 µmol/L Urine: N/A CSF: N/A
Total 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: N/A CSF: N/A
Comment(s)	¹ Transfer R1a into R1 and R2a into R2		

GENERAL CHEMISTRY

	Urea	Urea - STAT	
Abbreviation	UREA	UREAS	
Kit: AU400/AU640	OSR6134 (4 x 500 tests) OSR6234 (4 x 960 tests)	OSR6141 (4 x 500 tests) OSR6541 (4 x 1000 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6134 (4 x 620 tests) OSR6234 (4 x 1230 tests) OSR6534 (4 x 2285 tests) [†]	OSR6141 (4 x 620 tests) OSR6541 (4 x 1200 tests) [†]	
Kit: AU5800	OSR6134 (4 x 610 tests) OSR6234 (4 x 1230 tests)	OSR6141 (4 x 615 tests)	
Calibrator Part Number	Serum/Plasma: 66300, Urine: ODC0025	Serum/Plasma: 66300, Urine: ODC0025	
Control (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	GLDH, Kinetic Assay	
Reaction Type	Rate	Rate	
Primary Wavelength	340 nm	340 nm	
Measuring Points	12, 18	2, 6	
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	User defined	User defined	
Compatible Anticoagulants	Lithium Heparin/EDTA	EDTA, Lithium Heparin	
Reagent Volume			
AU400/AU640	R1 = 50 µL, R2 = 50 µL	R1 = 100 µL ¹	
AU480/AU680/AU2700/ AU5400	R1 = 40 µL, R2 = 40 µL	R1 = 80 µL ¹	
AU5800	R1 = 40 µL, R2 = 40 µL	R1 = 80 µL ¹	
Sample Type	Serum/Plasma/Urine	Serum/Plasma/Urine	
Sample Size (AU400/AU640)	Serum/Plasma: 2.5 µL (Pediatric: 2.5 µL) Urine: 2 µL CSF: N/A	Serum/Plasma: 2.5 µL Urine: 2 µL CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: 1.6 µL CSF: N/A	Serum/Plasma: 2 µL Urine: 1.6 µL CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: 1.6 µL CSF: N/A	Serum/Plasma: 2 µL Urine: 1.6 µL CSF: N/A	
Analytical Range		SI Units	SI Units
	Serum/Plasma: 5-300 mg/dL Urine: 60-4500 mg/dL CSF: N/A	Serum/Plasma: 0.8-50 mmol/L Urine: 10-750 mmol/L CSF: N/A	Serum/Plasma: 5-300 mg/dL Urine: 60-4500 mg/dL CSF: N/A
Reference Interval			
	Serum/Plasma: Adults: 17-43 mg/dL Urine: 15000-34200 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	Serum/Plasma: 17-43 mg/dL Urine: 15000-34200 mg/24 hrs CSF: N/A
Total Precision Specification			
	Serum/Plasma: ≤ 5% CV Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: ≤ 5% CV Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: ≤ 5% CV Urine: ≤ 5% CV CSF: N/A
Comment(s)	[†] AU680/AU2700/AU5400 only		[†] AU680/AU2700/AU5400 only ¹ Slowly add contents of R1-2 to R1, mix gently by inversion

GENERAL CHEMISTRY

	Uric Acid		Urinary/CSF Protein	
	UA		UCSFP	
Abbreviation	UA		UCSFP	
Kit: AU400/AU640	OSR6098 (4 x 200 tests) OSR6198 (4 x 500 tests) OSR6298 (4 x 705 tests)		OSR6170 (4 x 100 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6098 (4 x 250 tests) OSR6198 (4 x 625 tests) OSR6298 (4 x 880 tests)		OSR6170 (4 x 125 tests)	
Kit: AU5800	OSR6098 (4 x 320 tests) OSR6198 (4 x 800 tests) OSR6298 (4 x 1140 tests)		OSR6170 (4 x 165 tests)	
Calibrator Part Number	Serum/Plasma: 66300, Urine: ODC0025		Urine/CSF: Included in kit	
Control (Part Number)	Serum/Plasma: Control Serum 1 & 2 (ODC0003, ODC0004) Urine: Control materials with values determined on the Beckman Coulter system		Urine: Control materials with values determined on the Beckman Coulter system CSF: Control materials with values determined on the Beckman Coulter system	
Measurement Principle	Uricase PAP		Pyrogallol Red Molybdate	
Reaction Type	End		End	
Primary Wavelength	660 nm		600 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	EDTA, Heparin		N/A	
Reagent Volume				
AU400/AU640	R1 = 60 µL, R2 = 25 µL		R1 = 190 µL	
AU480/AU680/AU2700/ AU5400	R1 = 48 µL, R2 = 20 µL		R1 = 152 µL	
AU5800	Serum/Plasma: R1 = 36 µL, R2 = 15 µL Urine: R1 = 48 µL, R2 = 20 µL		R1 = 114 µL	
Sample Type	Serum/Plasma/Urine		Urine/CSF	
Sample Size (AU400/AU640)	Serum/Plasma: 7 µL Urine: 1.5 µL CSF: N/A		Serum/Plasma: N/A Urine: 2 µL CSF: 2 µL	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 5.6 µL Urine: 1.2 µL CSF: N/A		Serum/Plasma: N/A Urine: 1.6 µL CSF: 1.6 µL	
Sample Size (AU5800)	Serum/Plasma: 4.2 µL Urine: 1.2 µL CSF: N/A		Serum/Plasma: N/A Urine: 1.2 µL CSF: 1.2 µL	
Analytical Range		SI Units		SI Units
	Serum/Plasma: 1.5-30 mg/dL Urine: 2-400 mg/dL CSF: N/A	Serum/Plasma: 89-1785 µmol/L Urine: 119-23,800 µmol/L CSF: N/A	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: 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: 1488-4463 µmol/24 hrs CSF: N/A	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
Total Precision Specification				
	Serum/Plasma: ≤ 3% CV Urine: ≤ 5% CV CSF: N/A	Serum/Plasma: ≤ 3% CV Urine: ≤ 5% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: ≤ 10% CV	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: ≤ 10% CV
Comment(s)				

PROTEINS - SEROLOGY

	Alpha-1-Acidglycoprotein	Alpha-1-Antitrypsin		
Abbreviation	AAG	AAT		
Kit: AU400/AU640	OSR6162 (4 x 100 tests)	OSR6163 (4 x 100 tests)		
Kit: AU480/AU680/AU2700/AU5400	OSR6162 (4 x 120 tests)	OSR6163 (4 x 120 tests)		
Kit: AU5800	OSR6162 (4 x 160 tests)	OSR6163 (4 x 160 tests)		
Calibrator Part Number	ODR3023	ODR3023		
Control (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	User defined	User defined		
Compatible Anticoagulants	Heparin	Heparin		
Reagent Volume				
AU400/AU640	R1 = 200 µL, R2 = 45 µL	R1 = 200 µL, R2 = 65 µL		
AU480/AU680/AU2700/AU5400	R1 = 160 µL, R2 = 36 µL	R1 = 160 µL, R2 = 52 µL		
AU5800	R1-1 = 120 µL, R2 = 27 µL	R1 = 120 µL, R2 = 39 µL		
Sample Type	Serum/Plasma	Serum/Plasma		
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL Urine: N/A CSF: N/A	Serum/Plasma: 2 µL Urine: N/A CSF: N/A		
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A		
Sample Size (AU5800)	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A		
Analytical Range	Serum/Plasma: 20-200 mg/dL Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.2-2.0 g/L Urine: N/A CSF: N/A	SI Units Serum/Plasma: 30-500 mg/dL Urine: N/A CSF: N/A	SI Units 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
Total 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)				

PROTEINS - SEROLOGY

	Anti-Streptolysin O	Apolipoprotein A1		
Abbreviation	ASO	APO A1		
Kit: AU400/AU640	OSR6194 (4 x 280 tests)	OSR6142 (4 x 200 tests)		
Kit: AU480/AU680/AU2700/AU5400	OSR6194 (4 x 330 tests)	OSR6142 (4 x 250 tests)		
Kit: AU5800	OSR6194 (4 x 430 tests)	OSR6142 (4 x 330 tests)		
Calibrator Part Number	ODR3021	ODR3022 (5-point calibration) ODR3005 (3-point Calibration)		
Control (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	User defined		
Compatible Anticoagulants	N/A	N/A		
Reagent Volume				
AU400/AU640	R1 = 182 µL, R2 = 25 µL ¹	R1 = 65 µL, R2 = 65 µL		
AU480/AU680/AU2700/AU5400	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		
Sample Size (AU400/AU640)	Serum: 2.0 µL Urine: N/A CSF: N/A	Serum: 2 µL Urine: N/A CSF: N/A		
Sample Size (AU480/AU680/AU2700/AU5400)	Serum: 1.6 µL Urine: N/A CSF: N/A	Serum: 1.6 µL Urine: N/A CSF: N/A		
Sample Size (AU5800)	Serum: 1.2 µL Urine: N/A CSF: N/A	Serum: 1.2 µL Urine: N/A CSF: N/A		
Analytical Range	Serum: N/A Urine: N/A CSF: N/A	SI Units Serum: 100-1000 IU/mL Urine: N/A CSF: N/A	SI Units Serum: 40-250 mg/dL Urine: N/A CSF: N/A	SI Units 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
Total 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			

PROTEINS - SEROLOGY

	Apolipoprotein B		Beta-2 Microglobulin	
	APO B		B2M	
Abbreviation	APO B		B2M	
Kit: AU400/AU640	OSR6143 (4 x 200 tests)		OSR6151 (4 x 100 tests)	
Kit: AU480/AU680/AU2700/AU5400	OSR6143 (4 x 250 tests)		OSR6151 (4 x 130 tests)	
Kit: AU5800	OSR6143 (4 x 340 tests)		OSR6151 (4 x 150 tests)	
Calibrator Part Number	ODR3022 (5-point calibration) ODR3005 (3-point Calibration)		ODR3023	
Control (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		User defined	
Compatible Anticoagulants	N/A		EDTA, Heparin	
Reagent Volume				
AU400/AU640	R1 = 65 µL, R2 = 35 µL		R1 = 100 µL, R2 = 80 µL	
AU480/AU680/AU2700/AU5400	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	
Sample Size (AU400/AU640)	Serum: 2 µL Urine: N/A CSF: N/A		Serum/Plasma: 2 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/AU5400)	Serum: 1.6 µL Urine: N/A CSF: N/A		Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum: 1.2 µL Urine: N/A CSF: N/A		Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	
Analytical Range		SI Units		SI Units
	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: ≤ 3.0 mg/L Urine: N/A CSF: N/A
Total 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)				

PROTEINS - SEROLOGY

	Ceruloplasmin	Complement 3		
Abbreviation	CER	C3		
Kit: AU400/AU640	OSR6164 (4 x 100 tests)	OSR6159 (4 x 200 tests)		
Kit: AU480/AU680/AU2700/AU5400	OSR6164 (4 x 100 tests)	OSR6159 (4 x 260 tests)		
Kit: AU5800	OSR6164 (4 x 120 tests)	OSR6159 (4 x 320 tests)		
Calibrator Part Number	ODR3023	ODR3021		
Control (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	User defined	User defined		
Compatible Anticoagulants	EDTA, Heparin	EDTA, Heparin		
Reagent Volume				
AU400/AU640	R1 = 180 µL, R2 = 50 µL	R1 = 50 µL, R2 = 40 µL		
AU480/AU680/AU2700/AU5400	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		
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL Urine: N/A CSF: N/A	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: N/A CSF: N/A		
Sample Size (AU480/AU680/AU2700/AU5400)	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		
Sample Size (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		
Analytical Range	Serum/Plasma: 6-200 mg/L Urine: N/A CSF: N/A	SI Units Serum/Plasma: 60-2000 mg/dL Urine: N/A CSF: N/A	SI Units Serum/Plasma: 15-500 mg/dL Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.15-5.0 g/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: 200-600 mg/L Urine: N/A CSF: N/A	Serum/Plasma: 20-60 mg/dL 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
Total 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)				

PROTEINS - SEROLOGY

	Complement 4	C-Reactive Protein	
Abbreviation	C4	CRP	
Kit: AU400/AU640	OSR6160 (4 x 200 tests)	OSR6147 AU480/AU680 (4 x 200 tests) AU2700/AU5400 (4 x 300 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6160 (4 x 260 tests)	OSR6147 AU480/AU680 (4 x 200 tests) AU2700/AU5400 (4 x 300 tests)	
Kit: AU5800	OSR6160 (4 x 320 tests)	OSR6147 (4 x 300 tests)	
Calibrator Part Number	ODR3021	ODR3021	
Control (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	User defined	User defined	
Compatible Anticoagulants	EDTA, Heparin	Heparin	
Reagent Volume			
AU400/AU640	R1 = 50 µL, R2 = 40 µL	R1 = 70 µL, R2 = 30 µL	
AU480/AU680/AU2700/ AU5400	R1 = 40 µL, R2 = 32 µL	AU480/AU680: R1 = 70 µL, R2 = 30 µL AU2700/AU5400: R1 = 47 µL, R2 = 20 µL	
AU5800	R1 = 30 µL, R2 = 24 µL	R1 = 47 µL, R2 = 20 µL	
Sample Type	Serum/Plasma	Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: N/A CSF: N/A	Serum/Plasma: 18 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: AU480/AU680: 18 µL, AU2700/AU5400: 15 µL Urine: N/A CSF: N/A	
Sample Size (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	
Analytical Range	Serum/Plasma: 8-150 mg/dL Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.08-1.50 g/L Urine: N/A CSF: N/A	SI Units 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: < 5.0 mg/L Urine: N/A CSF: N/A
Total 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 or SD ≤ 1.0 mg/L ¹ Urine: N/A CSF: N/A
Comment(s)	¹ Use the greater number		

PROTEINS - SEROLOGY

	C-Reactive Protein		C-Reactive Protein, High Sensitivity	
Abbreviation	CRPN		CRPHS	
Kit: AU400/AU640	OSR6199 (4 x 190 tests) OSR6299 (4 x 330 tests)		OSR6199 (4 x 360 tests) OSR6299 (4 x 630 tests)	
Kit: AU480/AU680/AU2700/ AU5400	OSR6199 (4 x 230 tests) OSR6299 (4 x 400 tests)		OSR6199 (4 x 380 tests) OSR6299 (4 x 670 tests)	
Kit: AU5800	OSR6199 (4 x 300 tests) OSR6299 (4 x 530 tests)		OSR6199 (4 x 440 tests) OSR6299 (4 x 800 tests)	
Calibrator Part Number	ODC0026		ODC0027	
Control (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	User defined		User defined	
Compatible Anticoagulants	EDTA, Lithium Heparin		EDTA, Lithium Heparin	
Reagent Volume				
AU400/AU640	R1 = 150 µL, R2 = 150 µL ¹		R1 = 75 µL, R2 = 75 µL ¹	
AU480/AU680/AU2700/ AU5400	R1 = 120 µL, R2 = 120 µL ¹		AU480/AU680: R1 = 75 µL, R2 = 75 µL ¹ AU2700/AU5400: R1 = 70 µL, R2 = 70 µL ¹	
AU5800	R1 = 90 µL, R2 = 90 µL ¹		R1 = 55 µL, R2 = 55 µL ¹	
Sample Type	Serum/Plasma		Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL Urine: N/A CSF: N/A		Serum/Plasma: 3 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A		Serum/Plasma: AU480/AU680: 3 µL; AU2700/AU5400: 3.5 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A		Serum/Plasma: 2.2 µL Urine: N/A CSF: N/A	
Analytical Range		SI Units		SI Units
	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		SI Units		SI Units
	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
Total Precision Specification		SI Units		SI Units
	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		¹ Gently invert R2 5-10 times before placing on instrument and weekly thereafter	

PROTEINS - SEROLOGY

	Ferritin	Haptoglobin	
Abbreviation	FERR	HAPT	
Kit: AU400/AU640	OSR61203 (4 x 200 tests)	OSR6165 (4 x 100 tests)	
Kit: AU480/AU680/AU2700/AU5400	OSR61203 (4 x 200 tests)	OSR6165 (4 x 135 tests)	
Kit: AU5800	OSR61203 (4 x 250 tests)	OSR6165 (4 x 170 tests)	
Calibrator Part Number	ODR3021	ODR3023	
Control (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	User defined	
Compatible Anticoagulants	EDTA, Lithium Heparin	EDTA, Heparin	
Reagent Volume			
AU400/AU640	R1 = 120 µL, R2 = 60 µL ¹	R1 = 165 µL, R2 = 45 µL	
AU480/AU680/AU2700/AU5400	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	
Sample Size (AU400/AU640)	Serum/Plasma: 6 µL Urine: N/A CSF: N/A	Serum/Plasma: 2 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 6 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 4.5 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL Urine: N/A CSF: N/A	
Analytical Range	Serum/Plasma: 8-450 ng/mL Urine: N/A CSF: N/A	SI Units Serum/Plasma: 8-450 µg/L Urine: N/A CSF: N/A	SI Units Serum/Plasma: 30-400 mg/dL 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
Total 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
Comment(s)	¹ Gently invert R2 5-10 times before placing on instrument and weekly thereafter		

PROTEINS - SEROLOGY

	Immunoglobulin A	Immunoglobulin G	
Abbreviation	IgA	IgG	
Kit: AU400/AU640	OSR61171 (4 x 200 tests)	OSR61172 (4 x 200 tests)	
Kit: AU480/AU680/AU2700/AU5400	OSR61171 (4 x 250 tests)	OSR61172 (4 x 250 tests)	
Kit: AU5800	OSR61171 (4 x 320 tests)	OSR61172 (4 x 370 tests)	
Calibrator Part Number	ODR3021	ODR3021	
Control (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	User defined	Serum/Plasma: User defined, CSF: 2 days	
Compatible Anticoagulants	EDTA, Heparin	EDTA, Heparin	
Reagent Volume			
AU400/AU640	R1 = 70 µL, R2 = 55 µL	Serum/Plasma: R1 = 110 µL, R2 = 100 µL CSF: R1 = 110 µL, R2 = 68 µL	
AU480/AU680/AU2700/AU5400	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	
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: N/A CSF: N/A	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: N/A CSF: 10 µL	
Sample Size (AU480/AU680/AU2700/AU5400)	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	
Sample Size (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	
Analytical Range	Serum/Plasma: 10-700 mg/dL Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.1-7.0 g/L Urine: N/A CSF: N/A	SI Units 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: 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
Total 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 ≤ 0.005 g/L
Comment(s)			

PROTEINS - SEROLOGY

	Immunoglobulin M	Microalbumin	
Abbreviation	IgM	MALB	
Kit: AU400/AU640	OSR61173 (4 x 200 tests)	OSR6167 (4 x 100 tests)	
Kit: AU480/AU680/AU2700/AU5400	OSR61173 (4 x 250 tests)	OSR6167 (4 x 100 tests)	
Kit: AU5800	OSR61173 (4 x 320 tests)	OSR6167 (4 x 205 tests)	
Calibrator Part Number	ODR3021	ODR3024	
Control (Part Number)	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)	Control materials with values determined on the Beckman Coulter system	
Measurement Principle	Immunoturbidimetric	Immunoturbidimetric	
Reaction Type	End	End	
Primary Wavelength	340 nm	340 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	User defined	User defined	
Compatible Anticoagulants	EDTA, Heparin	N/A	
Reagent Volume			
AU400/AU640	R1 = 70 µL, R2 = 55 µL	R1 = 150 µL, R2 = 50 µL	
AU480/AU680/AU2700/AU5400	R1 = 56 µL, R2 = 44 µL	R1 = 120 µL, R2 = 40 µL	
AU5800	R1 = 42 µL, R2 = 33 µL	R1 = 90 µL, R2 = 30 µL	
Sample Type	Serum/Plasma	Urine/CSF	
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 10 µL CSF: 10 µL	
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 8 µL CSF: 8 µL	
Sample Size (AU5800)	Serum/Plasma: 1.2 µL (Pediatric: 1.2 µL) Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 6 µL CSF: 6 µL	
Analytical Range	Serum/Plasma: 20-500 mg/dL Urine: N/A CSF: N/A	SI Units Serum/Plasma: 0.2-5.0 g/L Urine: N/A CSF: N/A	SI Units Serum/Plasma: N/A Urine: 5-300 mg/L CSF: 5-300 mg/L
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/Plasma: N/A Urine: < 0.03 g/24 hrs CSF: 3 months-4 years: 0-450 mg/L, >4 years: 100-300 mg/L
Total 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: ≤ 10% CV @ 5-100 mg/L CSF: ≤ 10% CV @ 5-100 mg/L, ≤ 5% CV @ 100-300 mg/L
Comment(s)			

PROTEINS - SEROLOGY

	Myoglobin	Prealbumin		
Abbreviation	MYO	PALB		
Kit: AU400/AU640	OSR6168 (4 x 100 tests)	OSR6175 (4 x 100 tests)		
Kit: AU480/AU680/AU2700/AU5400	OSR6168 (4 x 165 tests)	OSR6175 (4 x 120 tests)		
Kit: AU5800	OSR6168 (4 x 183 tests)	OSR6175 (4 x 170 tests)		
Calibrator Part Number	ODR3025	ODR3029		
Control (Part Number)	Control materials with values determined on the Beckman Coulter system	ITA Control Serum 1, 2 & 3 (ODC0014, ODC0015, ODC0016)		
Measurement Principle	Latex Particle Immunoturbidimetric	Immunoturbidimetric		
Reaction Type	Fixed	End		
Primary Wavelength	570 nm	340 nm		
Measuring Points	12, 27	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	User defined	User defined		
Compatible Anticoagulants	N/A	N/A		
Reagent Volume				
AU400/AU640	R1 = 120 µL, R2 = 90 µL ¹	R1 = 150 µL, R2 = 65 µL		
AU480/AU680/AU2700/AU5400	R1 = 76 µL, R2 = 57 µL ¹	R1 = 120 µL, R2 = 52 µL		
AU5800	R1 = 60 µL, R2 = 45 µL ¹	R1 = 90 µL, R2 = 39 µL		
Sample Type	Serum	Serum		
Sample Size (AU400/AU640)	Serum: 11 µl Urine: N/A CSF: N/A	Serum: 3 µl Urine: N/A CSF: N/A		
Sample Size (AU480/AU680/AU2700/AU5400)	Serum: 7 µl Urine: N/A CSF: N/A	Serum: 2.4 µl Urine: N/A CSF: N/A		
Sample Size (AU5800)	Serum: 5.5 µl Urine: N/A CSF: N/A	Serum: 1.8 µl Urine: N/A CSF: N/A		
Analytical Range	Serum: N/A Urine: N/A CSF: N/A	SI Units Serum: 30-800 µg/L Urine: N/A CSF: N/A	SI Units Serum: 3-80 mg/dL Urine: N/A CSF: N/A	SI Units Serum: 0.03-0.8 g/L Urine: N/A CSF: N/A
Reference Interval	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	Serum: 20-40 mg/dL Urine: N/A CSF: N/A	Serum: 0.2-0.4 g/L Urine: N/A CSF: N/A
Total 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	Serum: ≤5% CV Urine: N/A CSF: N/A	Serum: ≤5% CV Urine: N/A CSF: N/A
Comment(s)	¹ Gently invert R2 5-10 times before placing on instrument and weekly thereafter			

PROTEINS - SEROLOGY

	Rheumatoid Factor	Transferrin	
Abbreviation	RF	TRF	
Kit: AU400/AU640	OSR61105 (4 x 200 tests)	OSR6152 (4 x 200 tests)	
Kit: AU480/AU680/AU2700/AU5400	OSR61105 (4 x 250 tests)	OSR6152 (4 x 270 tests)	
Kit: AU5800	OSR61105 (4 x 240 tests)	OSR6152 (4 x 330 tests)	
Calibrator Part Number	ODC0028	ODR3021	
Control (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	380 nm	
Measuring Points	12, 19	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	User defined	User defined	
Compatible Anticoagulants	Citric Acid Plasma, Lithium Heparin, Sodium Heparin, Sodium/Potassium EDTA	EDTA, Heparin	
Reagent Volume			
AU400/AU640	R1 = 120 µL, R2 = 40 µL ¹	R1 = 35 µL, R2 = 40 µL	
AU480/AU680/AU2700/AU5400	R1 = 96 µL, R2 = 32 µL ¹	R1 = 28 µL, R2 = 32 µL	
AU5800	R1 = 96 µL, R2 = 32 µL ¹	R1 = 21 µL, R2 = 24 µL	
Sample Type	Serum/Plasma	Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 3 µL Urine: N/A CSF: N/A	Serum/Plasma: 2 µL (Pediatric: 2 µL) Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 2.6 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL (Pediatric: 1.6 µL) Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 2.6 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.2 µL (Pediatric: 1.2 µL) Urine: N/A CSF: N/A	
Analytical Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	SI Units Serum/Plasma: 10-120 IU/L Urine: N/A CSF: N/A	SI Units Serum/Plasma: 75-750 mg/dL Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: ≤ 14 IU/mL Urine: N/A CSF: N/A	Serum/Plasma: Adults: 200-360 mg/dL Urine: N/A CSF: N/A For Pediatric reference interval ranges refer to IFU.
Total Precision Specification	Serum/Plasma: N/A 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
Comment(s)	¹ Gently invert R2 5-10 times before placing on instrument and weekly thereafter		

ESOTERIC S

	Cholinesterase	Creatine Kinase MB	
	CHE	CK-MB	
Abbreviation			
Kit: AU400/AU640	OSR6114 (4 x 200 tests)	OSR61155 (2 x 200 tests)	
Kit: AU480/AU680/AU2700/AU5400	OSR6114 (4 x 180 tests)	OSR61155 (2 x 230 tests)	
Kit: AU5800	OSR6114 (4 x 300 tests)	OSR61155 (2 x 230 tests)	
Calibrator Part Number	66300	ODR30034	
Control (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	CK-MB Control Levels 1 & 2 (ODR30035, ODR30036)	
Measurement Principle	GSCC 1994 Butyrylthiocholine	CK IFCC method plus Immuno-inhibition	
Reaction Type	Rate	Rate	
Primary Wavelength	410 nm	340 nm	
Measuring Points	16, 20	21, 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	Run in MB mode	Run in MB mode	
Compatible Anticoagulants	Heparin	Heparin	
Reagent Volume			
AU400/AU640	R1* = 150 µL, R2 = 30 µL	R1 = 120 µL, R2 = 30 µL	
AU480/AU680/AU2700/AU5400	R1* = 150 µL, R2 = 30 µL	R1 = 100 µL, R2 = 25 µL	
AU5800	R1* = 90 µL, R2 = 18 µL	R1 = 100 µL, R2 = 25 µL	
Sample Type	Serum/Plasma	Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 3 µL Urine: N/A CSF: N/A	Serum/Plasma: 6 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 3 µL Urine: N/A CSF: N/A	Serum/Plasma: 5 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 1.8 µL Urine: N/A CSF: N/A	Serum/Plasma: 5 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Range	Serum/Plasma: 1-15 kU/L Urine: N/A CSF: N/A	Serum/Plasma: 17-250 µkat/L Urine: N/A CSF: N/A	Serum/Plasma: 10-2000 U/L Urine: N/A CSF: N/A
Reference Interval	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	Serum/Plasma: Adults: < 24 U/L Urine: N/A CSF: N/A
Total Precision Specification	Serum/Plasma: ≤ 10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤ 10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤ 6.5% CV Urine: N/A CSF: N/A
Comment(s)	*Protect R1 from light		

ESOTERIC S

	D-Dimer	Hemoglobin A1c
Abbreviation	DDIM	HbA1c
Kit: AU400/AU640	OSR60135 (2 x 100 tests)	OSR6192 (2 x 250 tests) OSR0004 (2 x 250 tests)
Kit: AU480/AU680/AU2700/ AU5400	OSR60135 (2 x 100 tests)	OSR6192 (2 x 280 tests) OSR0004 (2 x 250 tests)
Kit: AU5800	OSR60135 (2 x 120 tests)	OSR6192 (2 x 340 tests)
Calibrator Part Number	ODR3033	ODR3032
Control (Part Number)	D-Dimer Control Levels 1 & 2 (ODC0029)	HbA1c Control Levels 1 & 2 (ODC0022)
Measurement Principle	Immunoturbidimetric	Turbidimetric Immuno-inhibition
Reaction Type	Fixed	THb: End; HbA1c: Fixed
Primary Wavelength	800 nm	THb: 600 nm; HbA1c: 700nm
Measuring Points	13, 27	THb: 0, 27 HbA1c: 13, 22
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	14 days
Compatible Anticoagulants	Citrated Plasma, Lithium Heparin²	K₂ EDTA, NH₄ Heparinized Whole Blood
Reagent Volume		
AU400/AU640	R1 = 125 µL, R2 = 125 µL¹	THb: R1 = 150 µL¹, HbA1c: R1 = 76 µL¹, R2 = 76 µL
AU480/AU680/AU2700/ AU5400	R1 = 125 µL, R2 = 125 µL¹	THb: R1 = 130¹ µL HbA1c: R1 = 65 µL¹, R2 = 65 µL
AU5800	R1 = 100 µL, R2 = 100 µL¹	THb: R1 = 104 µL¹ HbA1c: R1 = 52 µL², R2 = 52 µL
Sample Type	Citrated Plasma	Pre-treated Whole Blood
Sample Size (AU400/AU640)	Plasma: 7 µL Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A Other: THb: 11.0 µL², HbA1c: 3.5 µL²
Sample Size (AU480/AU680/AU2700/ AU5400)	Plasma: 7 µL Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A Other: THb: 9.5 µL², HbA1c: 3 µL²
Sample Size (AU5800)	Plasma: 5.6 µL Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A Other: THb: 7.6 µL², HbA1c: 2.4 µL²
Analytical Range	Plasma: N/A Urine: N/A CSF: N/A	SI Units Plasma: 0.25-8.0 µg FEU/mL Urine: N/A CSF: N/A
Reference Interval	Plasma: N/A Urine: N/A CSF: N/A	SI Units Serum/Plasma: N/A Urine: N/A CSF: N/A Other: HbA1c DCCT: 4.0-6.2% HbA1c IFCC units: 2.0-4.4% (recalculated using Master Equation)
Total Precision Specification	Plasma: < 10% CV Urine: N/A CSF: N/A	SI Units Serum/Plasma: N/A Urine: N/A CSF: N/A Other: ≤ 5% CV
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	¹ Gently invert R1 5-10 times before placing on instrument and weekly thereafter. Denaturant OSR0004 should be run with OSR6192 ² Whole blood values

ESOTERIC S

Lactate

Abbreviation	LAC	
Kit: AU400/AU640	OSR6193 (4 x 45 tests)	
Kit: AU480/AU680/AU2700/AU5400	OSR6193 (4 x 55 tests)	
Kit: AU5800	OSR6193 (4 x 75 tests)	
Calibrator Part Number	66300	
Control (Part Number)	Control Serum 1 & 2 (ODC0003, ODC0004)	
Measurement Principle	Enzymatic	
Reaction Type	Fixed	
Primary Wavelength	540 nm	
Measuring Points	1, 15	
Liquid or Lyophilized	Liquid /Lyophilized*	
Onboard Stability	30 days	
Onboard Stability (AU5800)	30 days	
Storage Temperature	+2 to +8°C	
Calibration Frequency	30 days	
Compatible Anticoagulants	Sodium Fluoride, Potassium Oxalate	
Reagent Volume		
AU400/AU640	Plasma: R1 = 200 µL CSF: R1 = 200 µL	
AU480/AU680/AU2700/AU5400	Plasma: R1 = 160 µL CSF: R1 = 160 µL	
AU5800	Plasma: R1 = 120 µL CSF: R1 = 120 µL	
Sample Type	Plasma/CSF	
Sample Size (AU400/AU640)	Plasma: 2 µL Urine: N/A CSF: 2 µL	
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 1.6 µL Urine: N/A CSF: 1.6 µL	
Sample Size (AU5800)	Serum/Plasma: 1.2 µL Urine: N/A CSF: 1.2 µL	
Analytical Range		SI Units
	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
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
Total Precision Specification	Serum/Plasma: ≤ 5% CV Urine: N/A CSF: ≤ 5% CV	Serum/Plasma: ≤ 5% CV Urine: N/A CSF: ≤ 5% CV
Comment(s)	¹ For additional reference intervals refer to product IFU * Refer to IFU for reagent preparation	

THERAPEUTIC DRUG MONITORING (TDM)

	Carbamazepine	Digitoxin		
Abbreviation	CBZ	DGT		
Kit: AU400/AU640	OSR6414 (2 x 180 tests)	OSR6403 (2 x 100 tests)		
Kit: AU480/AU680/AU2700/AU5400	OSR6414 (2 x 220 tests)	OSR6403 (2 x 200 tests)		
Kit: AU5800	OSR6414 (2 x 200 tests)	OSR6403 (2 x 180 tests)		
Calibrator Part Number	ODC6411	ODC6403		
Control (Part Number)	Control materials with values determined on the Beckman Coulter system	Control materials with values determined on the Beckman Coulter system		
Measurement Principle	Homogenous enzyme immunoassay CEDIA	Latex enhanced Immuno-inhibition assay		
Reaction Type	Rate 1	Fixed 1		
Primary Wavelength	570 nm	700 nm		
Measuring Points	24, 27	12, 27		
Liquid or Lyophilized	Liquid/Lyophilized*	Liquid		
Onboard Stability	60 days	30 days		
Onboard Stability (AU5800)	60 days	30 days		
Storage Temperature	+2 to +8°C	+2 to +8°C		
Calibration Frequency	User defined	User defined		
Compatible Anticoagulants	Lithium Heparin, Sodium Heparin, Sodium EDTA	N/A		
Reagent Volume				
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 210 µL, R2 = 128 µL		
AU480/AU680/AU2700/AU5400	R1 = 70 µL, R2 = 70 µL	R1 = 105 µL, R2 = 64 µL		
AU5800	R1 = 70 µL, R2 = 70 µL	R1 = 105 µL, R2 = 64 µL		
Sample Type	Serum/Plasma	Serum		
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL Urine: N/A CSF: N/A	Serum: 6 µL Urine: N/A CSF: N/A		
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	Serum: 3 µL Urine: N/A CSF: N/A		
Sample Size (AU5800)	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	Serum: 3 µL Urine: N/A CSF: N/A		
	SI Units	SI Units		
Analytical Range	Serum/Plasma: 0.5-20 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: 2.12-84.60 µmol/L Urine: N/A CSF: N/A	Serum: 0-90 ng/mL Urine: N/A CSF: N/A	Serum: 0-118 nmol/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: 8-12 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: 33.84-50.76 µmol/L Urine: N/A CSF: N/A	Serum: Effective levels: 10-30 ng/mL Toxic levels: > 30 ng/mL Urine: N/A CSF: N/A	Serum: Effective levels: 13-39 nmol/L Toxic levels: > 39 nmol/L Urine: N/A CSF: N/A
Total Precision Specification	Serum/Plasma: ≤ 7.5% CV or SD ≤ 0.375 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: ≤ 7.5% CV or SD ≤ 1.59 µmol/L Urine: N/A CSF: N/A	Serum: ≤ 6% or SD ≤ 1.5 ng/mL Urine: N/A CSF: N/A	Serum: ≤ 6% or SD ≤ 1.97 nmol/L Urine: N/A CSF: N/A
Comment(s)	*Refer to IFU for reagent preparation			

THERAPEUTIC DRUG MONITORING (TDM)

	Digoxin	Gentamicin	
Abbreviation	DIG	GENT	
Kit: AU400/AU640	OSR6404 (2 x 100 tests)	OSR6420 (2 x 120 tests)	
Kit: AU480/AU680/AU2700/AU5400	OSR6404 (2 x 200 tests)	OSR6420 (2 x 150 tests)	
Kit: AU5800	OSR6404 (2 x 180 tests)	OSR6420 (2 x 135 tests)	
Calibrator Part Number	ODC6404	ODC6413	
Control (Part Number)	Control materials with values determined on the Beckman Coulter system	Control materials with values determined on the Beckman Coulter system	
Measurement Principle	Latex enhanced Immuno-inhibition assay	Homogenous enzyme immunoassay CEDIA	
Reaction Type	Fixed 1	Rate 1	
Primary Wavelength	700 nm	570 nm	
Measuring Points	12, 27 (AU400, AU640, AU600) 15, 27 (AU480, AU680, AU2700, AU5400)	24, 27	
Liquid or Lyophilized	Liquid	Liquid/Lyophilized*	
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	User defined	User defined	
Compatible Anticoagulants	N/A	Lithium Heparin, Sodium Heparin, Sodium EDTA	
Reagent Volume			
AU400/AU640	R1 = 176 µL, R2 = 128 µL	R1 = 100 µL, R2 = 75 µL	
AU480/AU680/AU2700/AU5400	R1 = 88 µL, R2 = 64 µL	R1 = 80 µL, R2 = 60 µL	
AU5800	R1 = 88 µL, R2 = 64 µL	R1 = 80 µL, R2 = 60 µL	
Sample Type	Serum	Serum/Plasma	
Sample Size (AU400/AU640)	Serum: 12 µL Urine: N/A CSF: N/A	Serum/Plasma: 2 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/AU5400)	Serum: 6 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum: 6 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Range	Serum: 0-5 ng/mL Urine: N/A CSF: N/A	Serum: 0.0-6.4 nmol/L Urine: N/A CSF: N/A	Serum/Plasma: 0.24-12 µg/mL Urine: N/A CSF: N/A
Reference Interval	Serum: Effective levels: 0.8-2.0 ng/mL Toxic levels: > 2.4 ng/mL Urine: N/A CSF: N/A	Serum: Effective levels: 1.0-2.6 nmol/L Toxic levels: > 3.1 nmol/L Urine: N/A CSF: N/A	Serum/Plasma: Peak 5.0-8.0 µg/mL Urine: N/A CSF: N/A Trough: 1-2 µg/mL
Total Precision Specification	Serum: ≤ 6% CV or SD ≤ 0.12 ng/mL Urine: N/A CSF: N/A	Serum: ≤ 6% CV or SD ≤ 0.15 nmol/L Urine: N/A CSF: N/A	Serum/Plasma: ≤ 7.5% CV or SD ≤ 0.18 µg/mL Urine: N/A CSF: N/A
Comment(s)		*Refer to the IFU for reagent preparation	

THERAPEUTIC DRUG MONITORING (TDM)

	Paracetamol	Phenobarbital	
Abbreviation	PARA	PBARB	
Kit: AU400/AU640	OSR61202 (3 x 114 tests)	OSR6413 (2 x 130 tests)	
Kit: AU480/AU680/AU2700/AU5400	OSR61202 (3 x 137 tests)	OSR6413 (2 x 160 tests)	
Kit: AU5800	OSR61202 (3 x 180 tests)	OSR6413 (2 x 150 tests)	
Calibrator Part Number	Included	ODC6411	
Control (Part Number)	Control materials with values determined on the Beckman Coulter system	Control materials with values determined on the Beckman Coulter system	
Measurement Principle	Enzymatic	Homogenous enzyme immunoassay CEDIA	
Reaction Type	End	Rate 1	
Primary Wavelength	600 nm	570 nm	
Measuring Points	10, 27	24, 27	
Liquid or Lyophilized	Liquid/Lyophilized*	Liquid/Lyophilized*	
Onboard Stability	14 days	60 days	
Onboard Stability (AU5800)	14 days	60 days	
Storage Temperature	+2 to +8°C	+2 to +8°C	
Calibration Frequency	7 days	User defined	
Compatible Anticoagulants	Lithium Heparin	Lithium Heparin, Sodium Heparin, Sodium EDTA	
Reagent Volume			
AU400/AU640	R1 = 150 µL, R2 = 150 µL	R1 = 120 µL, R2 = 120 µL	
AU480/AU680/AU2700/AU5400	R1 = 120 µL, R2 = 120 µL	R1 = 96 µL, R2 = 96 µL	
AU5800	R1 = 90 µL, R2 = 90 µL	R1 = 96 µL, R2 = 96 µL	
Sample Type	Serum/Plasma	Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 7.5 µL Urine: N/A CSF: N/A	Serum/Plasma: 2 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 6 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 4.5 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A	
		SI Units	SI Units
Analytical Range	Serum/Plasma: 15-378 mg/L Urine: N/A CSF: N/A	Serum/Plasma: 99-2500 µmol/L Urine: N/A CSF: N/A	Serum/Plasma: 1.2-80 µg/mL Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: 10-30 mg/L Urine: N/A CSF: N/A	Serum/Plasma: 66-199 µmol/L Urine: N/A CSF: N/A	Serum/Plasma: 15-40 µg/mL Urine: N/A CSF: N/A
Total Precision Specification	Serum/Plasma: ≤ 10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤ 10% CV Urine: N/A CSF: N/A	Serum/Plasma: ≤ 7.5% CV or ≤ 0.9 µg/mL Urine: N/A CSF: N/A
Comment(s)	*Refer to IFU for reagent preparation		*Refer to IFU for reagent preparation

THERAPEUTIC DRUG MONITORING (TDM)

	Phenytoin	Theophylline		
Abbreviation	PHT	THEO		
Kit: AU400/AU640	OSR6411 (2 x 180 tests)	OSR6412 (2 x 180 tests)		
Kit: AU480/AU680/AU2700/AU5400	OSR6411 (2 x 260 tests)	OSR6412 (2 x 220 tests)		
Kit: AU5800	OSR6411 (2 x 230 tests)	OSR6412 (2 x 200 tests)		
Calibrator Part Number	ODC6411	ODC6411		
Control (Part Number)	Control materials with values determined on the Beckman Coulter system	Control materials with values determined on the Beckman Coulter system		
Measurement Principle	Homogenous enzyme immunoassay CEDIA	Homogenous enzyme immunoassay CEDIA		
Reaction Type	Rate 1	Rate 1		
Primary Wavelength	570 nm	570 nm		
Measuring Points	24, 27	24, 27		
Liquid or Lyophilized	Liquid/Lyophilized*	Liquid/Lyophilized*		
Onboard Stability	60 days	60 days		
Onboard Stability (AU5800)	60 days	60 days		
Storage Temperature	+2 to +8°C	+2 to +8°C		
Calibration Frequency	User defined	User defined		
Compatible Anticoagulants	Lithium Heparin, Sodium Heparin, Sodium EDTA	Lithium Heparin, Sodium Heparin, Sodium EDTA		
Reagent Volume				
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL		
AU480/AU680/AU2700/AU5400	R1 = 60 µL, R2 = 60 µL	R1 = 70 µL, R2 = 70 µL		
AU5800	R1 = 60 µL, R2 = 60 µL	R1 = 70 µL, R2 = 70 µL		
Sample Type	Serum/Plasma	Serum/Plasma		
Sample Size (AU400/AU640)	Serum/Plasma: 2.5 µL Urine: N/A CSF: N/A	Serum/Plasma: 2 µL Urine: N/A CSF: N/A		
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 1.7 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A		
Sample Size (AU5800)	Serum/Plasma: 1.7 µL Urine: N/A CSF: N/A	Serum/Plasma: 1.6 µL Urine: N/A CSF: N/A		
	SI Units	SI Units		
Analytical Range	Serum/Plasma: 0.6-40 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: 2.4-158.4 µmol/L Urine: N/A CSF: N/A	Serum/Plasma: 0.8-40 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: 4.44-222 µmol/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: Therapeutic: Adults: ¹ 10-25 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: Therapeutic: Adults: ¹ 39.6-99 µmol/L Urine: N/A CSF: N/A	Serum/Plasma: Therapeutic: 5-20 µg/mL ¹ Toxic: >20 µg/mL ¹ Urine: N/A CSF: N/A	Serum/Plasma: Therapeutic: 28-111 µmol/L ¹ Toxic: >111 µmol/L ¹ Urine: N/A CSF: N/A
Total Precision Specification	Serum/Plasma: ≤ 7.5% CV or SD ≤ 0.45 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: ≤ 7.5% CV or SD ≤ 1.78 µmol/L Urine: N/A CSF: N/A	Serum/Plasma: ≤ 7.5% CV or SD ≤ 0.6 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: ≤ 7.5% CV or SD ≤ 3.33 µmol/L Urine: N/A CSF: N/A
Comment(s)	*Refer to IFU for reagent preparation		*Refer to IFU for reagent preparation	

THERAPEUTIC DRUG MONITORING (TDM)

Valproic Acid

Abbreviation	VPA	
Kit: AU400/AU640	OSR6415 (2 x 140 tests)	
Kit: AU480/AU680/AU2700/AU5400	OSR6415 (2 x 150 tests)	
Kit: AU5800	OSR6415 (2 x 140 tests)	
Calibrator Part Number	ODC6411	
Control (Part Number)	Control materials with values determined on the Beckman Coulter system	
Measurement Principle	Homogenous enzyme immunoassay CEDIA	
Reaction Type	Rate 1	
Primary Wavelength	570 nm	
Measuring Points	24, 27	
Liquid or Lyophilized	Liquid/Lyophilized*	
Onboard Stability	45 days	
Onboard Stability (AU5800)	45 days	
Storage Temperature	+2 to +8°C	
Calibration Frequency	User defined	
Compatible Anticoagulants	Lithium Heparin, Sodium Heparin, Sodium EDTA	
Reagent Volume		
AU400/AU640	R1 = 85 µL, R2 = 64 µL	
AU480/AU680/AU2700/AU5400	R1 = 77 µL, R2 = 58 µL	
AU5800	R1 = 77 µL, R2 = 58 µL	
Sample Type	Serum/Plasma	
Sample Size (AU400/AU640)	Serum/Plasma: 2 µL Urine: N/A CSF: N/A	
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 1.8 µL Urine: N/A CSF: N/A	
Sample Size (AU5800)	Serum/Plasma: 1.8 µL Urine: N/A CSF: N/A	
		SI Units
Analytical Range	Serum/Plasma: 3.0-150 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: 20.8-1039.5 µmol/L Urine: N/A CSF: N/A
Reference Interval	Serum/Plasma: 50-100 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: 347-693 µmol/L Urine: N/A CSF: N/A
Total Precision Specification	Serum/Plasma: ≤ 7.5% CV or SD ≤ 2.25 µg/mL Urine: N/A CSF: N/A	Serum/Plasma: ≤ 7.5% CV or SD ≤ 15.59 µmol/L Urine: N/A CSF: N/A
Comment(s)	*Refer to IFU for reagent preparation	

DRUGS OF ABUSE IN URINE (DAU)

	Amphetamines/Ecstasy (500 cutoff)	Amphetamines/Ecstasy (1000 cutoff)
Abbreviation	AMP	AMP
Kit: AU400/AU640	OSR6323 (2 x 180 tests)	OSR6323 (2 x 180 tests)
Kit: AU480/AU680/AU2700/AU5400	OSR6323 (2 x 225 tests)	OSR6323 (2 x 225 tests)
Kit: AU5800	OSR6323 (2 x 200 tests)	OSR6323 (2 x 200 tests)
Calibrator Part Number	ODC6316	ODC6315
Control (Part Number)	DAU Speciality Control (ODC0007)	DAU Multi-drug Control (ODC0006)
Measurement Principle	Qualitative CEDIA	Qualitative CEDIA
Reaction Type	Rate	Rate
Primary Wavelength	570 nm	570 nm
Measuring Points	24, 27	24, 27
Liquid or Lyophilized	Liquid/Lyophilized*	Liquid/Lyophilized*
Onboard Stability	45 days	45 days
Onboard Stability (AU5800)	30 days	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		
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/AU5400	R1 = 70 µL, R2 = 70 µL	R1 = 70 µL, R2 = 70 µL
AU5800	R1 = 70 µL, R2 = 70 µL	R1 = 70 µL, R2 = 70 µL
Sample Type	Urine	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 4 µL CSF: N/A	Serum/Plasma: N/A Urine: 2 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: N/A Urine: 3.2 µL CSF: N/A	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 3.2 µL CSF: N/A	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: 500 ng/mL CSF: N/A	Serum/Plasma: N/A Urine: 1000 ng/mL CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation	* Refer to IFU for reagent preparation

DRUGS OF ABUSE IN URINE (DAU)

	Amphetamines/Ecstasy (Semi-Quantitative)	Barbiturate (200 cutoff)
Abbreviation	AMP	BAR
Kit: AU400/AU640	OSR6323 (2 x 180 tests)	OSR6315 (2 x 180 tests)
Kit: AU480/AU680/AU2700/AU5400	OSR6323 (2 x 225 tests)	OSR6315 (2 x 260 tests)
Kit: AU5800	OSR6323 (2 x 200 tests)	OSR6315 (2 x 230 tests)
Calibrator Part Number	ODC6314, ODC6315, ODC6316, ODC6317 & ODC6318	ODC6316
Control (Part Number)	DAU Speciality Control/Multi-drug Control (ODC0007, ODC0006)	DAU Speciality Control (ODC0007)
Measurement Principle	Semi-quantitative CEDIA	Qualitative CEDIA
Reaction Type	Rate 1	Rate
Primary Wavelength	570 nm	570 nm
Measuring Points	24, 27	24, 27
Liquid or Lyophilized	Liquid/Lyophilized*	Liquid/Lyophilized*
Onboard Stability	45 days	60 days
Onboard Stability (AU5800)	30 days	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		
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/AU5400	R1 = 70 µL, R2 = 70 µL	R1 = 61 µL, R2 = 61 µL (AU2700/AU5400) R1 = 87 µL, R2 = 87 µL (AU480/AU680)
AU5800	R1 = 70 µL, R2 = 70 µL	R1 = 61 µL, R2 = 61 µL
Sample Type	Urine	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 2 µL CSF: N/A	Serum/Plasma: N/A Urine: 6 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 4.2 µL (AU2700/AU5400), 6 µL (AU480/AU680) CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 4.2 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 200 µg/L CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: 0-5000 µg/L CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation	* Refer to IFU for reagent preparation

DRUGS OF ABUSE IN URINE (DAU)

	Barbiturate (300 cutoff)	Barbiturate (Semi-Quantitative)
Abbreviation	BAR	BAR
Kit: AU400/AU640	OSR6315 (2 x 180 tests)	OSR6315 (2 x 180 tests)
Kit: AU480/AU680/AU2700/AU5400	OSR6315 (2 x 260 tests)	OSR6315 (2 x 260 tests)
Kit: AU5800	OSR6315 (2 x 230 tests)	OSR6315 (2 x 230 tests)
Calibrator Part Number	ODC6315	ODC6314, ODC6315, ODC6316, ODC6317 & ODC6318
Control (Part Number)	DAU Multi-drug Control (ODC0006)	DAU Speciality 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	60 days	60 days
Onboard Stability (AU5800)	30 days	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		
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/AU5400	R1 = 61 µL, R2 = 61 µL (AU2700/AU5400) R1 = 87 µL, R2 = 87 µL (AU480/AU680)	R1 = 61 µL, R2 = 61 µL
AU5800	R1 = 61 µL, R2 = 61 µL	R1 = 61 µL, R2 = 61 µL
Sample Type	Urine	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 6 µL CSF: N/A	Serum/Plasma: N/A Urine: 6 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: N/A Urine: 4.2 µL (AU2700/AU5400), 6 µL (AU480/AU680) CSF: N/A	Serum/Plasma: N/A Urine: 4.2 µL CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 4.2 µL CSF: N/A	Serum/Plasma: N/A Urine: 4.2 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: 300 ng/mL CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 0-3000 µg/L CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation	* Refer to IFU for reagent preparation

DRUGS OF ABUSE IN URINE (DAU)

	Benzodiazepine (200 cutoff)	Benzodiazepine (300 cutoff)
Abbreviation	BNZ	BNZ
Kit: AU400/AU640	OSR6316 (2 x 180 tests)	OSR6316 (2 x 180 tests)
Kit: AU480/AU680/AU2700/AU5400	OSR6316 (2 x 225 tests)	OSR6316 (2 x 225 tests)
Kit: AU5800	OSR6316 (2 x 200 tests)	OSR6316 (2 x 200 tests)
Calibrator Part Number	OSR6316	ODC6315
Control (Part Number)	DAU Speciality Control (ODC0007)	DAU Multi-drug Control (ODC0006)
Measurement Principle	Qualitative CEDIA	Qualitative CEDIA
Reaction Type	Rate	Rate
Primary Wavelength	570 nm	570 nm
Measuring Points	24, 27	24, 27
Liquid or Lyophilized	Liquid/Lyophilized*	Liquid/Lyophilized*
Onboard Stability	60 days	60 days
Onboard Stability (AU5800)	30 days	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		
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/AU5400	R1 = 70 µL, R2 = 70 µL	R1 = 70 µL, R2 = 70 µL
AU5800	R1 = 70 µL, R2 = 70 µL	R1 = 70 µL, R2 = 70 µL
Sample Type	Urine	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 2 µL CSF: N/A	Serum/Plasma: N/A Urine: 2 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: 200 µg/L CSF: N/A	Serum/Plasma: N/A Urine: 300 µg/L CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation	* Refer to IFU for reagent preparation

DRUGS OF ABUSE IN URINE (DAU)

	Benzodiazepine (Semi-Quantitative)	Cocaine (150 cutoff)
Abbreviation	BNZ	COC
Kit: AU400/AU640	OSR6316 (2 x 180 tests)	OSR6317 (2 x 180 tests)
Kit: AU480/AU680/AU2700/AU5400	OSR6316 (2 x 225 tests)	OSR6317 (2 x 260 tests)
Kit: AU5800	OSR6316 (2 x 200 tests)	OSR6317 (2 x 230 tests)
Calibrator Part Number	ODC6314, ODC6315, ODC6316, ODC6317 & ODC6318	ODC6316
Control (Part Number)	DAU Speciality Control/Multi-drug Control (ODC0007, ODC0006)	DAU Speciality Control (ODC0007)
Measurement Principle	Semi-quantitative CEDIA	Qualitative CEDIA
Reaction Type	Rate 1	Rate
Primary Wavelength	570 nm	570 nm
Measuring Points	24, 27	24, 27
Liquid or Lyophilized	Liquid/Lyophilized*	Liquid/Lyophilized*
Onboard Stability	60 days	60 days
Onboard Stability (AU5800)	30 days	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		
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/AU5400	R1 = 70 µL, R2 = 70 µL	R1 = 61 µL, R2 = 61 µL
AU5800	R1 = 70 µL, R2 = 70 µL	R1 = 61 µL, R2 = 61 µL
Sample Type	Urine	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 2 µL CSF: N/A	Serum/Plasma: N/A Urine: 4 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 150 µg/L CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: 0-5000 µg/L CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation	* Refer to IFU for reagent preparation

DRUGS OF ABUSE IN URINE (DAU)

	Cocaine (300 cutoff)	Cocaine (Semi-Quantitative)
Abbreviation	COC	COC
Kit: AU400/AU640	OSR6317 (2 x 180 tests)	OSR6317 (2 x 180 tests)
Kit: AU480/AU680/AU2700/AU5400	OSR6317 (2 x 260 tests)	OSR6317 (2 x 260 tests)
Kit: AU5800	OSR6317 (2 x 230 tests)	OSR6317 (2 x 230 tests)
Calibrator Part Number	ODC6315	ODC6314, ODC6315, ODC6316, ODC6317 & ODC6318
Control (Part Number)	DAU Multi-drug Control (ODC0006)	DAU Speciality 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	60 days	60 days
Onboard Stability (AU5800)	30 days	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		
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/AU5400	R1 = 61 µL, R2 = 61 µL	R1 = 61 µL, R2 = 61 µL
AU5800	R1 = 61 µL, R2 = 61 µL	R1 = 61 µL, R2 = 61 µL
Sample Type	Urine	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 4 µL CSF: N/A	Serum/Plasma: N/A Urine: 4 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: 300 µg/L CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 0-5000 µg/L CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation	* Refer to IFU for reagent preparation

DRUGS OF ABUSE IN URINE (DAU)

	EDDP (100 cutoff)	EDDP (Semi-Quantitative)
Abbreviation	EDDP	EDDP
Kit: AU400/AU640	OSR6318 (2 x 180 tests)	OSR6318 (2 x 180 tests)
Kit: AU480/AU680/AU2700/AU5400	OSR6318 (2 x 260 tests)	OSR6318 (2 x 260 tests)
Kit: AU5800	OSR6318 (2 x 230 tests)	OSR6318 (2 x 230 tests)
Calibrator Part Number	ODC6315 or ODC6316	ODC6314, ODC6315 or ODC6316, ODC6317, ODC6318
Control (Part Number)	DAU Speciality Control/Multi-drug Control (ODC0007, ODC0006)	DAU Speciality 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	60 days	60 days
Onboard Stability (AU5800)	30 days	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		
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/AU5400	R1 = 61 µL, R2 = 61 µL	R1 = 61 µL, R2 = 61 µL
AU5800	R1 = 61 µL, R2 = 61 µL	R1 = 61 µL, R2 = 61 µL
Sample Type	Urine	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 8 µL CSF: N/A	Serum/Plasma: N/A Urine: 8 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: N/A Urine: 5.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 5.6 µL CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 5.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 5.6 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: 100 µg/L CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 0-2000 µg/L CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation	* Refer to IFU for reagent preparation

DRUGS OF ABUSE IN URINE (DAU)

	Methadone (300 cutoff)	Methadone (Semi-Quantitative)
Abbreviation	MTD	MTD
Kit: AU400/AU640	OSR6319 (2 x 180 tests)	OSR6319 (2 x 180 tests)
Kit: AU480/AU680/AU2700/AU5400	OSR6319 (2 x 260 tests)	OSR6319 (2 x 260 tests)
Kit: AU5800	OSR6319 (2 x 230 tests)	OSR6319 (2 x 230 tests)
Calibrator Part Number	ODC6319	ODC6314, ODC6319, ODC6320, ODC6321
Control (Part Number)	DAU Multi-drug Control (ODC0006)	DAU Multi-drug Control (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	60 days	60 days
Onboard Stability (AU5800)	30 days	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		
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/AU5400	R1 = 61 µL, R2 = 61 µL	R1 = 61 µL, R2 = 61 µL
AU5800	R1 = 61 µL, R2 = 61 µL	R1 = 61 µL, R2 = 61 µL
Sample Type	Urine	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 4 µL CSF: N/A	Serum/Plasma: N/A Urine: 4 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: 300 µg/L CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 0-1000 µg/L CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation	* Refer to IFU for reagent preparation

DRUGS OF ABUSE IN URINE (DAU)

	Opiates (300 cutoff)	Opiates (Semi-Quantitative)
Abbreviation	OPI	OPI
Kit: AU400/AU640	OSR6320 (2 x 180 tests)	OSR6320 (2 x 180 tests)
Kit: AU480/AU680/AU2700/AU5400	OSR6320 (2 x 225 tests)	OSR6320 (2 x 225 tests)
Kit: AU5800	OSR6320 (2 x 200 tests)	OSR6320 (2 x 200 tests)
Calibrator Part Number	ODC6316	ODC6314, ODC6316, ODC6317 & ODC6318
Control (Part Number)	DAU Speciality Control (ODC0007)	DAU Speciality Control (ODC0007)
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	60 days	60 days
Onboard Stability (AU5800)	30 days	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		
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/AU5400	R1 = 70 µL, R2 = 70 µL	R1 = 70 µL, R2 = 70 µL
AU5800	R1 = 70 µL, R2 = 70 µL	R1 = 70 µL, R2 = 70 µL
Sample Type	Urine	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 2 µL CSF: N/A	Serum/Plasma: N/A Urine: 2 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 1.6 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: 300 µg/L CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: 0-2000 µg/L CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation	* Refer to IFU for reagent preparation

DRUGS OF ABUSE IN URINE (DAU)

	THC (25 cutoff)	THC (50 cutoff)
Abbreviation	THC	THC
Kit: AU400/AU640	OSR6322 (2 x 180 tests)	OSR6322 (2 x 180 tests)
Kit: AU480/AU680/AU2700/AU5400	OSR6322 (2 x 260 tests)	OSR6322 (2 x 260 tests)
Kit: AU5800	OSR6322 (2 x 230 tests)	OSR6322 (2 x 230 tests)
Calibrator Part Number	ODC6322	ODC6323
Control (Part Number)	DAU THC Controls (ODC0008)	DAU THC Controls (ODC0009)
Measurement Principle	Qualitative CEDIA	Qualitative CEDIA
Reaction Type	Rate	Rate
Primary Wavelength	570 nm	570 nm
Measuring Points	24, 27	24, 27
Liquid or Lyophilized	Liquid/Lyophilized*	Liquid/Lyophilized*
Onboard Stability	60 days	60 days
Onboard Stability (AU5800)	30 days	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		
AU400/AU640	R1 = 87 µL, R2 = 87 µL	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/AU5400	R1 = 61 µL, R2 = 61 µL	R1 = 61 µL, R2 = 61 µL
AU5800	R1 = 61 µL, R2 = 61 µL	R1 = 61 µL, R2 = 61 µL
Sample Type	Urine	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 8 µL CSF: N/A	Serum/Plasma: N/A Urine: 4 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: N/A Urine: 5.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 5.6 µL CSF: N/A	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: 25 µg/L CSF: N/A	Serum/Plasma: N/A Urine: 50 µg/L CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: N/A CSF: N/A	Serum/Plasma: N/A Urine: N/A CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 7.5% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation	* Refer to IFU for reagent preparation

DRUGS OF ABUSE IN URINE (DAU)

THC (Semi-Quantitative)

Abbreviation	THC
Kit: AU400/AU640	OSR6322 (2 x 180 tests)
Kit: AU480/AU680/AU2700/ AU5400	OSR6322 (2 x 260 tests)
Kit: AU5800	OSR6322 (2 x 230 tests)
Calibrator Part Number	ODC6314, ODC6322, ODC6323, ODC6324, ODC6325
Control (Part Number)	DAU THC Controls (ODC0008, ODC0009)
Measurement Principle	Semi-quantitative CEDIA
Reaction Type	Rate 1
Primary Wavelength	570 nm
Measuring Points	24, 27
Liquid or Lyophilized	Liquid/Lyophilized*
Onboard Stability	60 days
Onboard Stability (AU5800)	30 days
Storage Temperature	+2 to +8°C
Calibration Frequency	User defined
Compatible Anticoagulants	N/A
Reagent Volume	
AU400/AU640	R1 = 87 µL, R2 = 87 µL
AU480/AU680/AU2700/ AU5400	R1 = 61 µL, R2 = 61 µL
AU5800	R1 = 61 µL, R2 = 61 µL
Sample Type	Urine
Sample Size (AU400/AU640)	Serum/Plasma: N/A Urine: 4 µL CSF: N/A
Sample Size (AU480/AU680/AU2700/ AU5400)	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A
Sample Size (AU5800)	Serum/Plasma: N/A Urine: 2.8 µL CSF: N/A
Cutoff Level	Serum/Plasma: N/A Urine: N/A CSF: N/A
Analytical Range	Serum/Plasma: N/A Urine: 0-100 µg/L CSF: N/A
Total Precision Specification	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Total Precision Specification (AU5800)	Serum/Plasma: N/A Urine: ≤ 10% CV CSF: N/A
Comment(s)	* Refer to IFU for reagent preparation

	Chloride	Sodium	Potassium
Abbreviation	CL	NA	K
Kit: AU400/AU640	MU9196 (40000 tests/6 months)	MU9194 (40000 tests/6 months)	MU9195 (40000 tests/6 months)
Kit: AU480/AU680/AU2700/AU5400	MU9196 (40000 tests/6 months)	MU9194 (40000 tests/6 months)	MU9195 (40000 tests/6 months)
Kit: AU5800	MU9196 (40000 tests/6 months)	MU9194 (40000 tests/6 months)	MU9195 (40000 tests/6 months)
Calibrator Part Number	Serum Low & High Standards: 66317 & 66316, Urine Low/High Urine Standard: 66315		
Control (Part Number)	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	ISE (Indirect) Crown-Ether Membrane
Reaction Type	N/A	N/A	N/A
Primary Wavelength	N/A	N/A	N/A
Measuring Points	N/A	N/A	N/A
Liquid or Lyophilized	N/A	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		
Storage Temperature	2 to 25°C (66314 @ 15 to + 25°C)	+2 to +25°C	+2 to + 25°C
Calibration Frequency	1 day	1 day	1 day
Compatible Anticoagulants	Lithium Heparin	Lithium Heparin	Lithium Heparin
Reagent Volume	*	*	*
AU400/AU640	Serum: 600 µL, Urine: 750 µL	Serum: 600 µL, Urine: 750 µL	Serum: 600 µL, Urine: 750 µL
AU480/AU680/AU2700/AU5400	Serum: 618 µL, Urine: 618 µL	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	Serum: 618 µL, Urine: 618 µL
Sample Type	Serum/Plasma/Urine		
Sample Size (AU400/AU640)	Serum/Plasma: 20 µL Urine: 25 µL CSF: N/A		
Sample Size (AU480/AU680/AU2700/AU5400)	Serum/Plasma: 20 µL Urine: 20 µL CSF: N/A		
Sample Size (AU5800)	Serum/Plasma: 20 µL Urine: 20 µL CSF: N/A		
Analytical 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	Serum/Plasma: 1.0 - 10.0 mmol/L Urine: 2.0 - 200 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	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	Serum/Plasma: ≤ 3% CV within run (n=5) Urine: ≤ 3% within run (n=5) CSF: N/A	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 For ISEs, Kit refers to the specific Electrode Part Numbers	* For ISEs, Reagent volume section represents ISE Buffer volume used per test	* For ISEs, Reagent volume section represents ISE Buffer volume used per test

Alanine Aminotransferase (IFCC)	1	Cocaine (150 cutoff)	42	Magnesium	14
Albumin	1	Cocaine (300 cutoff)	43	Methadone (300 cutoff)	45
Alkaline Phosphatase (GSCC)	2	Cocaine (Semi-Quantitative)	43	Methadone (Semi-Quantitative)	45
Alkaline Phosphatase (IFCC)	2	Complement 3	22	Microalbumin	27
Alpha-1-Acidglycoprotein	19	Complement 4	23	Myoglobin	28
Alpha-1-Antitrypsin	19	Creatine Kinase	6	Opiates (300 cutoff)	46
Amphetamines/Ecstasy (500 cutoff)	38	Creatine Kinase MB	30	Opiates (Semi-Quantitative)	46
Amphetamines/Ecstasy (1000 cutoff)	38	Creatinine	7	Paracetamol	35
Amphetamines/Ecstasy (Semi-Quantitative)	39	Creatinine (Enzymatic)	8	Phenobarbital	35
Amylase (CNPG3)	3	D-Dimer	31	Phenytoin	36
Amylase (IFCC-EPS)	3	Digitoxin	33	Phosphorus (Inorganic)	14
Anti-Streptolysin O	20	Digoxin	34	Potassium	49
Apolipoprotein A1	20	Direct Bilirubin	8	Prealbumin	28
Apolipoprotein B	21	EDDP (100 cutoff)	44	Rheumatoid Factor	29
Aspartate Aminotransferase (IFCC)	4	EDDP (Semi-Quantitative)	44	Sodium	49
Barbiturate (200 cutoff)	39	Ferritin	25	THC (25 cutoff)	47
Barbiturate (300 cutoff)	40	Gamma-Glutamyltransferase	9	THC (50 cutoff)	47
Barbiturate (Semi-Quantitative)	40	Gentamicin	34	THC (Semi-Quantitative)	48
Benzodiazepine (200 cutoff)	41	Glucose	9	Theophylline	36
Benzodiazepine (300 cutoff)	41	Glucose - STAT	10	Total Bilirubin	15
Benzodiazepine (Semi-Quantitative)	42	Haptoglobin	25	Total Protein	15
Beta-2 Microglobulin	21	HDL Cholesterol	10	Transferrin	29
Bicarbonate	4	Hemoglobin A1c	31	Triglyceride	16
C-Reactive Protein (CRP)	23	Hydroxybutyrate Dehydrogenase	11	Unsaturated Iron Binding Capacity	16
C-Reactive Protein (CRPHS)	24	Immunoglobulin A	26	Urea	17
C-Reactive Protein (CRPN)	24	Immunoglobulin G	26	Urea - STAT	17
Calcium Arsenazo	5	Immunoglobulin M	27	Uric Acid	18
Calcium oCPC	5	Iron	11	Urinary/CSF Protein	18
Carbamazepine	33	Lactate	32	Valproic Acid	37
Ceruloplasmin	22	Lactate Dehydrogenase (IFCC)	12		
Chloride	49	Lactate Dehydrogenase (SCE)	13		
Cholesterol	6	LDL Cholesterol	12		
Cholinesterase	30	Lipase	13		



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