

# Quick Reference Guide

## Reagents for use on Olympus AU® Clinical Analyzers

### ROUTINE CHEMISTRY

Chemistry	Carolina Cat. No.	Tests/Kit	Sample Size	Dynamic Range	Reference Range	Precision	Calibrator	Cal P/N	Control	Control P/N	Reagent Prep	On-Board Stability	Calibration Frequency	Method
ALB	AU-224	3 X 250 (750)	2.0	1.1 - 7.1 g/dL	3.2 - 5.5 g/dL	2%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	14 days	BCG
ALP	AU-206	3 X 250 (750)	4.0	7 - 993 IU/L	42 - 128 IU/L	3%	N/A	N/A	MAS 1-3	AU23-640065/7	None	10 days	N/A	AACC
ALT	AU-240	3 X 250 (750)	15.0	8 - 670 IU/L	10 - 40 IU/L	5%	N/A	N/A	MAS 1-3	AU23-640065/7	None	30 days	N/A	Henry
AMYL	AU-227	3 x 100 (300)	4.0	32 - 3200 IU/L	17 - 119 IU/L	2%	N/A	N/A	MAS 1-3	AU23-640065/7	None	30 days	N/A	CNPG3
AST	AU-241	3 X 250 (750)	15.0	6 - 650 IU/L	10 - 42 IU/L	3%	N/A	N/A	MAS 1-3	AU23-640065/7	None	30 days	N/A	Henry
BUN	AU-252	3 X 300 (900)	2.0	0 - 149 mg/dL	7 - 18 mg/dL	2%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	14 days	Enzymatic (Urease)
CALC	AU-251	3 X 300 (900)	2.0	0.0 - 18.3 mg/dL	8.4 - 10.2 mg/dL	2%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	14 days	Arsenazo III
CHOL	AU-211	3 X 200 (600)	2.0	6 - 636 mg/dL	< 200 mg/dL	2%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	14 days	Enzymatic
CK	AU-207	3 X 250 (750)	8.0	13 - 1113 IU/L	25 - 174 IU/L	4%	N/A	N/A	MAS 1-3	AU23-640065/7	None	30 days	N/A	Szasz
CO2	AU-313	3 X 250 (750)	2.0	1 - 43 mmol/L	22 - 31 mmol/L	3%	Included	Included	MAS 1-3	AU23-640065/7	None	30 days	7 days	Enzymatic
CREA	AU-243	3 X 300 (900)	15.0	0.0 - 36.7 mg/dL	0.6 - 1.3 mg/dL	5%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	7 days	Rate Jaffe
DBIL	AU-229	3 X 200 (600)	8.0	0.0 - 26.7 mg/dL	0.0 - 0.2 mg/dL	2%	Bili Cal	465915	MAS 1-3	AU23-640065/7	None	30 days	14 days	Diazo
GGT	AU-209	3 X 300 (900)	10.0	10 - 1005 IU/L	8 - 37 5 - 24 IU/L	3%	N/A	N/A	MAS 1-3	AU23-640065/7	None	30 days	N/A	Szasz
GLU	AU-208	3 X 250 (750)	2.0	0 - 1000 mg/dL	70 - 105 mg/dL	3%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	14 days	UV Hexokinase
HDL	AU-616	3 X 250 (750)	2.0	6 - 168 mg/dL	35 - 60 mg/dL	2%	Included	Included	MAS 1-3	AU23-640065/7	None	30 days	14 days	Homogeneous
IRON	AU-618	3 X 200 (600)	25.0	9 - 975 ug/dL	45 - 182 28 - 170	2%	Included	Included	MAS 1-3	AU23-640065/7	None	30 days	14 days	Ferrozine
LDH	AU-205	3 X 300 (900)	10.0	12 - 881 IU/L	91 - 180 IU/L	2%	N/A	N/A	MAS 1-3	AU23-640065/7	None	30 days	N/A	Lactate to Pyruvate
LDL	AU-661	3 X 250 (750)	2.0	15 - 358 mg/dL	< 130 mg/dL	2%	Included	Included	MAS 1-3	AU23-640065/7	None	30 days	14 days	Homogeneous
MAG	AU-220	3 X 200 (600)	3.0	0.2 - 9.7 mg/dL	1.8 - 2.8 mg/dL	4%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	7 days	Arsenazo III
PHOS	AU-218	3 X 200 (600)	2.0	0.0 - 21.2 mg/dL	2.5 - 4.6 mg/dL	3%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	14 days	Phosphomolybdate
TBIL	AU-228	3 X 300 (900)	5.0	1.0 - 40.0 mg/dL	0.2 - 1.0 mg/dL	3%	Bili Cal	465915	MAS 1-3	AU23-640065/7	Required	30 days	14 days	Diazo
TP	AU-217	3 X 250 (750)	4.0	1.5 - 13.7 g/dL	6.7 - 8.2 g/dL	3%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	14 days	Biuret
TRIG	AU-213	3 X 250 (750)	2.5	15 - 926 mg/dL	35 - 160 mg/dL	2%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	14 days	Enzymatic GPO
URIC	AU-212	3 X 300 (900)	6.0	0.2 - 20.0 mg/dL	2.6 - 7.2 mg/dL	3%	Multi-Cal	442600	MAS 1-3	AU23-640065/7	None	30 days	14 days	Enzymatic (Uricase)

### SPECIALTY CHEMISTRY

Chemistry	Carolina Cat. No.	Tests/Kit	Sample Size	Dynamic Range	Reference Range	Precision	Calibrator	Cal P/N	Control	Control P/N	Reagent Prep	On-Board Stability	Calibration Frequency	Method
CYST	AU-691	2 x 100 (200)	2.0	0.0 - 8.0 mg/L	0.5 - 1.03 mg/L	8%	CYST Cal	DZ133A-CAL	Cyst Control	DZ133A-Cont	None	30 days	14 days	Turbidimetric
HbA1c	AU-300	1 x 200 (200)	22.0	4 - 16%	< 6.0%	3%	HbA1c Cal	DZ168-CAL	Hb A1c Cont	DZ168-Cont	Required	30 days	4 days	Enzymatic
FRUC	AU-612	3 x 90 (270)	10.0	0 - 6.2 mmol/L	1.61 - 2.68 mmol/L	3%	Included	Included	Fruc Control	CC030	Required	30 days	14 days	Enzymatic
HCY	AU-201	1 x 100	11.0	0.4 - 80.0 µmol/L	4.0 - 15.4 µmol/L	4%	Included	Included	HCY Control	CC051-3	None	30 days	4 days	Enzymatic
LIPASE	AU-621	3 x 100 (300)	2.5	19 - 382 IU/L	6 - 32 IU/L	3%	Included	Included	MAS 1-3	AU23-640065/7	None	30 days	14 days	Enzymatic
TIBC	AU-659	3 x 100 (300)	8.0	14 - 632 ug/dL	261 - 478 ug/dL	5%	Included	Included	MAS 1-3	AU23-640065/7	None	30 days	14 days	Dye-Iron Complex

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## Reagents for use on Olympus AU® Clinical Analyzers

### SPECIFIC PROTEINS

Chemistry	Carolina Cat. No.	Tests/Kit	Sample Size	Dynamic Range	Reference Range	Precision	Calibrator	Cal P/N	Control	Control P/N	Reagent Prep	On-Board Stability	Calibration Frequency	Method
APO A1	AU-632	2 x 100 (200)	2.0	16 - 360 mg/dL	115 - 224 mg/dL	4%	APO Cal	CC008	MAS 1-3	AU23-640065/7	None	30 days	14 days	Turbidimetric
APO B	AU-633	2 x 100 (200)	2.0	16 - 344 mg/dL	60 - 130 mg/dL	7%	APO Cal	CC008	MAS 1-3	AU23-640065/7	None	30 days	14 days	Turbidimetric
hs CRP	AU-645	2 x 100 (200)	3.0	0 - 160 mg/L	< 4.0 mg/L	3%	hs CRP Cal	CC062	hs CRP Cont	CC049	None	30 days	14 days	Turbidimetric
INSU	AU-614	2 x 100 (200)	10.0	1.0 - 100.0 µIU/mL	20 - 35 µIU/mL	5%	Insulin Cal	CC072	Liquimmune	LIG-101/103	None	30 days	7 days	Turbidimetric
Lp(a)	AU-204	2 x 130 (260)	3.0	1.1 - 80.0 mg/dL	< 30 mg/dL	2%	Lp(a) Cal	CC018-D	MAS 1-3	AU23-640065/7	None	30 days	14 days	Turbidimetric
MALB	AU-662	3 x 100 (300)	4.0	0.0 - 30.0 mg/dL	< 2.0 mg/dL	7%	MALB Cal	CC020	Malb Cont	CC042	None	30 days	14 days	Turbidimetric
RF	AU-629	2 x 100 (200)	9.0	15 - 165 IU/mL	< 30 IU/mL	11%	RF Cal	CC032	ASO/RF Cont	CC040	None	30 days	4 days	Turbidimetric
TRF	AU-641	2 x 100 (200)	2.0	0 - 549 mg/dL	260 - 400 mg/dL	3%	Multi Prot Cal	CC016	MAS 1-3	AU23-640065/7	None	30 days	14 days	Turbidimetric