

# Quick Reference Guide

## Reagents for use on BioLis 24i 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	BL224	3 x 170 (510)	3.0	1.2 - 5.8 g/dL	3.2 - 5.5 g/dL	2%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	BCG
ALP	BL206	3 x 100 (300)	4.0	15 - 1000 IU/L	42 - 128 IU/L	3%	N/A	N/A	MAS 1-3	23-640065-7	None	10 days	N/A	AACC
ALT	BL240	3 x 100 (300)	18.0	8 - 424 IU/L	10 - 40 IU/L	4%	N/A	N/A	MAS 1-3	23-640065-7	None	30 days	N/A	Henry
AMYL	BL227	3 x 180 (540)	5.0	15 - 2650 IU/L	17 - 119 IU/L	2%	N/A	N/A	MAS 1-3	23-640065-7	None	30 days	N/A	CNPG3
AST	BL241	3 x 100 (300)	18.0	10 - 519 IU/L	10 - 42 IU/L	3%	N/A	N/A	MAS 1-3	23-640065-7	None	30 days	N/A	Henry
BUN	BL252	3 x 180 (540)	3.0	0 - 91 mg/dL	7 - 18 mg/dL	2%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	Enzymatic (Urease)
CALC	BL251	3 x 180 (540)	3.0	0 - 18.3 mg/dL	8.4 - 10.2 mg/dL	2%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	Arsenazo III
CHOL	BL211	3 x 110 (330)	3.0	5 - 529 mg/dL	< 200 mg/dL	2%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	Enzymatic
CK	BL207	3 x 100 (300)	11.0	11 - 939 IU/L	25 - 174 IU/L	4%	N/A	N/A	MAS 1-3	23-640065-7	None	30 days	N/A	Szasz
CO2	BL313	3 x 140 (420)	3.0	1 - 45 mmol/L	22 - 31 mmol/L	3%	Included	Included	MAS 1-3	23-640065-7	None	30 days	14 days	Enzymatic
CREA	BL243	3 x 100 (300)	6.0	0 - 38.8 mg/dL	0.6 - 1.3 mg/dL	5%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	Enzymatic
DBIL	BL229	3 x 100 (300)	8.0	0 - 28.2 mg/dL	0.0 - 0.2 mg/dL	2%	Bili Cal	465915	MAS 1-3	23-640065-7	None	30 days	14 days	Diazo
GGT	BL209	3 x 100 (300)	10.0	10 - 900	8 - 37 5 - 24 IU/L	3%	N/A	N/A	MAS 1-3	23-640065-7	None	30 days	N/A	Szasz
GLU	BL208	3 x 110 (330)	3.0	0 - 740 mg/dL	70 - 105 mg/dL	3%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	UV Hexokinase
HDLD	BL616	3 x 100 (300)	3.0	5 - 153 mg/dL	35 - 60 mg/dL	2%	Included	Included	MAS 1-3	23-640065-7	None	30 days	14 days	Homogeneous
IRON	BL618	3 x 100 (300)	25.0	6 - 971 ug/dL	45 - 182 28 - 170	2%	Included	Included	MAS 1-3	23-640065-7	None	30 days	14 days	Ferrozine
LDH	BL205	3 x 100 (300)	12.0	13 - 824 IU/L	91 - 180 IU/L	2%	N/A	N/A	MAS 1-3	23-640065-7	None	30 days	N/A	Lactate to Pyruvate
LDLD	BL661	3 x 100 (300)	3.0	7 - 345 mg/dL	< 130 mg/dL	2%	Included	Included	MAS 1-3	23-640065-7	None	30 days	14 days	Homogeneous
MAG	BL220	3 x 170 (510)	3.5	0.3 - 8.4 mg/dL	1.8 - 2.8 mg/dL	4%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	Arsenazo III
PHOS	BL218	3 x 180 (540)	3.0	0.1 - 22.0 mg/dL	2.5 - 4.6 mg/dL	3%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	Phosphomolybdate
TBIL	BL228	3 x 100 (300)	8.0	0.3 - 41.13 mg/dL	0.2 - 1.0 mg/dL	3%	Bili Cal	465915	MAS 1-3	23-640065-7	Required	30 days	14 days	Diazo
TP	BL217	3 x 170 (510)	4.0	1.4 - 13.4 g/dL	6.7 - 8.2 g/dL	3%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	Biuret
TRIG	BL213	3 x 100 (300)	3.0	11 - 682 mg/dL	35 - 160 mg/dL	2%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	Enzymatic GPO
URIC	BL212	3 x 170 (510)	8.0	0.1 - 19.4 mg/dL	2.6 - 7.2 mg/dL	3%	Multi-Cal	442600	MAS 1-3	23-640065-7	None	30 days	14 days	Enzymatic (Uricase)

### ELECTROLYTES

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
CL	20-27-0477	2100	60.0	60 - 200 mmol/L	97 - 111	3%	ISE Cal 2	20-27-0478	MAS 1-3	23-640065-7	None	30 days	Daily	ISE
NA	20-27-0477	2100	60.0	90 - 240 mmol/L	136 - 145 mmol/L	3%	ISE Cal 2	20-27-0478	MAS 1-3	23-640065-7	None	30 days	Daily	ISE
K	20-27-0477	2100	60.0	1.0 - 20.0 mmol/L	3.5 - 5.1 mmol/L	2%	ISE Cal 2	20-27-0478	MAS 1-3	23-640065-7	None	30 days	Daily	ISE

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### 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	BL691	2 x 100 (200)	3.0	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	BL300	2 x 100 (200)	8.0	2 - 16%	< 6.0%	3%	HbA1c Cal	7-H7541-CAL	Hb A1c Cont	7-H7541-Con	Required	30 days	14 days	Turbidimetric
D-DIMER	BL690	2 x 100 (200)	3.5	Highest Cal	< 0.478 ug/mL	4%	D-DIM Cal	CC091	D-Dimer Cont	CC081	None	30 days	14 days	Turbidimetric
FRUC	BL612	3 x 90 (270)	20.0	2 - 618 µmol/L	161 - 268 µmol/L	3%	Included	Included	Fruc Control	CC030	Required	30 days	14 days	Enzymatic
HCY	BL201	1 x 100	14.0	0.0 - 86.6 µmol/L	4.0 - 15.4 µmol/L	4%	Included	Included	HCY Control	CC051-3	None	30 days	7 days	Enzymatic
LIPASE	BL621	3 x 100 (300)	4.0	0 - 412 IU/L	6 - 32 IU/L	3%	Included	Included	MAS 1-3	23-640065-7	None	30 days	14 days	Enzymatic
TIBC	BL659	3 x 100 (300)	10.0	14.3 - 632 ug/dL	261 - 478 ug/dL	5%	TIBC Cal	3422	MAS 1-3	23-640065-7	None	30 days	14 days	Dye-Iron Complex

### 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	BL632	2 x 100 (200)	3.0	16 - 360 mg/dL	115 - 224 mg/dL	4%	APO Cal	CC008	Lipid Control	1740-01	None	30 days	14 days	Turbidimetric
APO B	BL633	2 x 100 (200)	3.0	16 - 344 mg/dL	60 - 130 mg/dL	7%	APO Cal	CC008	Lipid Control	1740-01	None	30 days	14 days	Turbidimetric
C3	BL634	2 x 100 (200)	3.0	30 - 291 mg/L	74 - 148 mg/dL	7%	Multi Prot Cal	CC016	MAS 1-3	23-640065-7	None	30 days	14 days	Turbidimetric
C4	BL635	2 x 100 (200)	3.0	8 - 53 mg/dL	14 - 39 mg/dL	6%	Multi Prot Cal	CC016	MAS 1-3	23-640065-7	None	30 days	14 days	Turbidimetric
HAPT	BL640	2 x 100 (200)	3.0	0 - 263 mg/dL	30 - 178 mg/dL	6%	Multi Prot Cal	CC016	MAS 1-3	23-640065-7	None	30 days	14 days	Turbidimetric
hs CRP	BL645	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
IgA	BL637	2 x 100 (200)	3.5	0 - 685 mg/dL	20 - 344 mg/dL	5%	Multi Prot Cal	CC016	MAS 1-3	23-640065-7	None	30 days	14 days	Turbidimetric
IgG	BL636	2 x 100 (200)	3.0	100 - 3927 mg/dL	806 - 1813 mg/dL	5%	Multi Prot Cal	CC016	MAS 1-3	23-640065-7	None	30 days	14 days	Turbidimetric
IgM	BL638	2 x 100 (200)	3.5	0 - 305 mg/dL	52 - 207 mg/dL	7%	Multi Prot Cal	CC016	MAS 1-3	23-640065-7	None	30 days	14 days	Turbidimetric
INSU	BL614	2 x 100 (200)	15.0	1.0 - 100.0 uIU/mL	20 - 35 uIU/mL	5%	Insulin Cal	CC072	Insulin Cont	CC059	None	30 days	14 days	Turbidimetric
Lp(a)	BL204	2 x 130 (260)	6.0	0.0 - 84.4 mg/dL	< 30 mg/dL	2%	Lp(a) Cal	CC018-D	Lipid Control	1740-01	None	30 days	14 days	Turbidimetric
MALB	BL662	2 x 100 (200)	10.0	0.0 - 10.5 mg/dL	< 2.1 mg/dL	7%	MALB Cal	CC020	Malb Cont	CC042	None	30 days	14 days	Turbidimetric
PALB	BL645	2 x 100 (200)	5.0	0 - 60 mg/L	16 - 40 mg/dL	2%	PALB Cal	CC044	MAS 1-3	23-640065-7	None	30 days	14 days	Turbidimetric
RF	BL629	2 x 100 (200)	15.0	Highest Cal	< 30 IU/mL	10%	RF Cal	CC032	ASO/RF Cont	CC040	None	30 days	4 days	Turbidimetric
TRF	BL641	2 x 100 (200)	3.0	0 - 525 mg/dL	260 - 400 mg/dL	5%	Multi Prot Cal	CC016	MAS 1-3	23-640065-7	None	30 days	14 days	Turbidimetric