

# TruLab P

**LOT 29213**

Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)



**2022-02-28**



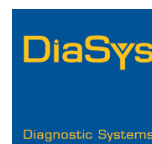
Updated sheets: [www.diasys-diagnostics.com/service-area/value-sheets/](http://www.diasys-diagnostics.com/service-area/value-sheets/)

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	5.24 52.4	4.03 - 6.44 40.3 - 64.4	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	165 2.75	124 - 206 2.06 - 3.43	U/L µkat/L
	DGKC 1970 37°C	1 0401	261 4.35	196 - 326 3.26 - 5.44	U/L µkat/L
<b>ALT/GPT</b> Alanine aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2701 + 2 5010	115 1.92	88.9 - 142 1.48 - 2.37	U/L µkat/L
	without pyridoxal phosphate 37°C	1 2701	115 1.92	88.8 - 142 1.48 - 2.36	U/L µkat/L
<b>AST/GOT</b> Aspartate aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2601 + 2 5010	153 2.55	118 - 188 1.96 - 3.13	U/L µkat/L
	without pyridoxal phosphate 37°C	1 2601	158 2.63	122 - 194 2.03 - 3.24	U/L µkat/L
<b>AMY</b> Amylase	EPS G-7	1 0501	197 3.28	157 - 236 2.62 - 3.93	U/L µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	97.1 1.62	77.7 - 116 1.29 - 1.94	U/L µkat/L
<b>APOA1</b> Apolipoprotein A1	Immunoturbidimetric	1 7102	200 2.00	160 - 240 1.60 - 2.40	mg/dL g/L
<b>APOB</b> Apolipoprotein B	Immunoturbidimetric	1 7112	109 1.09	87.2 - 131 0.872 - 1.31	mg/dL g/L
<b>BILE</b> Total Bile Acids	Colorimetric	1 2212	44.4	35.6 - 53.3	µmol/L
	Enzymatic cycling method	1 2238	33.6	26.9 - 40.3	µmol/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	1.54 26.3	1.14 - 1.94 19.5 - 33.2	mg/dL µmol/L
	Jendrassik-Grof	1 0849	1.55 26.5	1.15 - 1.96 19.6 - 33.4	mg/dL µmol/L
<b>TBIL</b> Total Bilirubin	DCA	1 0811	4.29 73.3	3.17 - 5.40 54.3 - 92.4	mg/dL µmol/L
	Jendrassik-Grof	1 0849	4.93 84.3	3.65 - 6.21 62.4 - 106	mg/dL µmol/L
<b>CA</b> Calcium	Arsenazo	1 1130	2.87 11.5	2.55 - 3.19 10.2 - 12.8	mmol/L mg/dL
	Phosphonazo	1 1181	2.90 11.6	2.58 - 3.22 10.4 - 12.9	mmol/L mg/dL
<b>CL</b> Chloride	Colorimetric	1 1221	136 482	124 - 148 439 - 526	mmol/L mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300 + 1 1350	213 5.50	183 - 242 4.73 - 6.27	mg/dL mmol/L
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	8974 150	7358 - 10589 123 - 176	U/L µkat/L
<b>CK</b> Creatine kinase	DGKC, IFCC 37°C	1 1601	236 3.94	189 - 284 3.15 - 4.73	U/L µkat/L

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**LOT 29213**



Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)



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Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>CKMB</b> Creatine kinase	mAK, Immunological method, 37°C	1 1641	53.0	42.4 - 63.6	U/L
			0.884	0.707 - 1.06	µkat/L
<b>CREA</b> Creatinine	Jaffé, without compensation	1 1711	4.60	3.59 - 5.61	mg/dL
			407	317 - 496	µmol/L
	Jaffé, with compensation	1 1711	4.81	3.75 - 5.87	mg/dL
			425	332 - 519	µmol/L
Enzymatic PAP	1 1759	4.65	3.62 - 5.67	mg/dL	
		411	320 - 501	µmol/L	
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	92.0	71.7 - 112	U/L
			1.53	1.20 - 1.87	µkat/L
	Szasz 37°C	1 2801	81.4	63.5 - 99.3	U/L
			1.36	1.06 - 1.65	µkat/L
<b>GLDH</b> Glutamat dehydrogenase	DGKC 1970 37°C	1 2411	25.0	20.0 - 30.0	U/L
			0.416	0.333 - 0.499	µkat/L
<b>GLUC</b> Glucose	GOD-PAP	1 2500 +	261	219 - 303	mg/dL
			14.5	12.2 - 16.8	mmol/L
	HK/G6P-DH	1 2511	257	216 - 298	mg/dL
			14.3	12.0 - 16.6	mmol/L
Gluc-DH	1 2531	262	220 - 304	mg/dL	
		14.6	12.2 - 16.9	mmol/L	
<b>HBDH</b> α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	247	198 - 297	U/L
			4.12	3.30 - 4.94	µkat/L
<b>HDLC</b> HDL-Cholesterol	Immunoinhibition	1 3521	59.1	50.8 - 67.3	mg/dL
			1.53	1.31 - 1.74	mmol/L
<b>HBUT</b> β-Hydroxybutyrate	β-HBDH / Diaphorase 37°C	1 3701	0.907	0.725 - 1.09	mmol/L
			9.44	7.55 - 11.3	mg/dL
	β-HBDH 37°C	1 3711	0.977	0.781 - 1.17	mmol/L
			10.2	8.13 - 12.2	mg/dL
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	247	188 - 307	mg/dL
			2.47	1.88 - 3.07	g/L
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	136	109 - 163	IU/mL
			326	261 - 391	ng/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	1274	1019 - 1528	mg/dL
			12.7	10.2 - 15.3	g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	123	88.4 - 157	mg/dL
			1.23	0.884 - 1.57	g/L
<b>FE</b> Iron	Ferene	1 1911	254	219 - 290	µg/dL
			45.5	39.2 - 51.9	µmol/L
<b>LACT</b> Lactate	LDH UV	1 4001	31.0	24.5 - 37.5	mg/dL
			3.44	2.71 - 4.16	mmol/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	265	217 - 313	U/L
			4.42	3.62 - 5.21	µkat/L
	DGKC opt. 1970 37°C	1 4201	430	352 - 507	U/L
			7.16	5.87 - 8.45	µkat/L

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Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)



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Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	122 3.17	105 - 140 2.72 - 3.61	mg/dL mmol/L
<b>LPS</b> Lipase	Colorimetric	1 4321	87.2 1.45	69.8 - 105 1.16 - 1.74	U/L µkat/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	1.79 4.36	1.51 - 2.08 3.66 - 5.06	mmol/L mg/dL
<b>PL</b> Phospholipids	Enzymatic	1 5741	243 3.14	195 - 292 2.51 - 3.77	mg/dL mmol/L
<b>PO3</b> Phosphorus	Molybdate UV, substrate start	1 5211	6.50 2.10	5.33 - 7.67 1.72 - 2.48	mg/dL mmol/L
	Molybdate UV, sample start	1 5211	6.45 2.08	5.29 - 7.61 1.71 - 2.46	mg/dL mmol/L
<b>K</b> Potassium	Enzymatic	1 5221	6.78 26.5	6.17 - 7.39 24.1 - 28.9	mmol/L mg/dL
<b>Na</b> Sodium	Enzymatic	1 4808	156 358	146 - 165 336 - 379	mmol/L mg/dL
<b>TP</b> Total Protein	Biuret, without sample blank	1 2311	9.39 93.9	8.35 - 10.4 83.5 - 104	g/dL g/L
	Biuret, with sample blank	1 2311	8.43 84.3	7.50 - 9.36 75.0 - 93.6	g/dL g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	324 3.24	259 - 389 2.59 - 3.89	mg/dL g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5760 1 5710	168 1.90	138 - 199 1.55 - 2.24	mg/dL mmol/L
<b>UREA</b> Urea	Urease UV	1 3101	151 25.1	118 - 184 19.6 - 30.6	mg/dL mmol/L
	Colorimetric, Berthelot	1 3115	162 26.9	126 - 197 21.0 - 32.8	mg/dL mmol/L
<b>UA</b> Uric Acid	TBHBA	1 3021	6.76 402	5.81 - 7.70 346 - 458	mg/dL µmol/L
	TOOS	1 3001	6.74 401	5.80 - 7.68 345 - 457	mg/dL µmol/L



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[www.diasys-diagnostics.com](http://www.diasys-diagnostics.com)

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**LOT** 29213



Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)



2022-02-28

**respons<sup>®</sup>910**



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Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	5.24 52.4	4.03 - 6.44 40.3 - 64.4	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	165 2.75	124 - 206 2.06 - 3.43	U/L µkat/L
<b>ALT/GPT</b> Alanine aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2701 + 2 5010	115 1.92	88.9 - 142 1.48 - 2.37	U/L µkat/L
	without pyridoxal phosphate 37°C	1 2701	115 1.92	88.8 - 142 1.48 - 2.36	U/L µkat/L
<b>AST/GOT</b> Aspartate aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2601 + 2 5010	153 2.55	118 - 188 1.96 - 3.13	U/L µkat/L
	without pyridoxal phosphate 37°C	1 2601	158 2.63	122 - 194 2.03 - 3.24	U/L µkat/L
<b>AMY</b> Amylase	EPS G-7	1 0501	197 3.28	157 - 236 2.62 - 3.93	U/L µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	97.1 1.62	77.7 - 116 1.29 - 1.94	U/L µkat/L
<b>APOA1</b> Apolipoprotein A1	Immunoturbidimetric	1 7102	200 2.00	160 - 240 1.60 - 2.40	mg/dL g/L
<b>APOB</b> Apolipoprotein B	Immunoturbidimetric	1 7112	109 1.09	87.2 - 131 0.872 - 1.31	mg/dL g/L
<b>BILE</b> Total Bile Acids	Enzymatic cycling method	1 2238	33.6	26.9 - 40.3	µmol/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	1.54 26.3	1.14 - 1.94 19.5 - 33.2	mg/dL µmol/L
<b>TBIL</b> Total Bilirubin	DCA	1 0811	4.29 73.3	3.17 - 5.40 54.3 - 92.4	mg/dL µmol/L
<b>CA</b> Calcium	Phosphonazo	1 1181	2.90 11.6	2.58 - 3.22 10.4 - 12.9	mmol/L mg/dL
<b>CL</b> Chloride	Colorimetric	1 1221	136 482	124 - 148 439 - 526	mmol/L mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	213 5.50	183 - 242 4.73 - 6.27	mg/dL mmol/L
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	8974 150	7358 - 10589 123 - 176	U/L µkat/L
<b>CK</b> Creatine kinase	DGKC, IFCC 37°C	1 1601	236 3.94	189 - 284 3.15 - 4.73	U/L µkat/L
<b>CKMB</b> Creatine kinase	mAK, Immunological method, 37°C	1 1641	53.0 0.884	42.4 - 63.6 0.707 - 1.06	U/L µkat/L
<b>CREA</b> Creatinine	Jaffé , without compensation	1 1711	4.60 407	3.59 - 5.61 317 - 496	mg/dL µmol/L
	Enzymatic PAP	1 1759	4.65 411	3.62 - 5.67 320 - 501	mg/dL µmol/L
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	92.0 1.53	71.7 - 112 1.20 - 1.87	U/L µkat/L
<b>GLUC</b> Glucose	GOD-PAP	1 2500	261 14.5	219 - 303 12.2 - 16.8	mg/dL mmol/L
	HK/G6P-DH	1 2511	257 14.3	216 - 298 12.0 - 16.6	mg/dL mmol/L
<b>HDLC</b> HDL-Cholesterol	Immunoinhibition	1 3521	59.1 1.53	50.8 - 67.3 1.31 - 1.74	mg/dL mmol/L

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Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)



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**respons<sup>®</sup>910**



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Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>HBUT</b> β-Hydroxybutyrate	β-HBDH / Diaphorase 37°C	1 3701	0.907 9.44	0.725 - 1.09 7.55 - 11.3	mmol/L mg/dL
	β-HBDH 37°C	1 3711	0.977 10.2	0.781 - 1.17 8.13 - 12.2	mmol/L mg/dL
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	247	188 - 307	mg/dL
			2.47	1.88 - 3.07	g/L
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	136 326	109 - 163 261 - 391	IU/mL ng/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	1274 12.7	1019 - 1528 10.2 - 15.3	mg/dL g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	123 1.23	88.4 - 157 0.884 - 1.57	mg/dL g/L
<b>FE</b> Iron	Ferene	1 1911	254 45.5	219 - 290 39.2 - 51.9	µg/dL µmol/L
<b>LACT</b> Lactate	LDH UV	1 4001	31.0 3.44	24.5 - 37.5 2.71 - 4.16	mg/dL mmol/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	265 4.42	217 - 313 3.62 - 5.21	U/L µkat/L
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	122 3.17	105 - 140 2.72 - 3.61	mg/dL mmol/L
<b>LPS</b> Lipase	Colorimetric	1 4321	87.2 1.45	69.8 - 105 1.16 - 1.74	U/L µkat/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	1.79 4.36	1.51 - 2.08 3.66 - 5.06	mmol/L mg/dL
<b>PL</b> Phospholipids	Enzymatic	1 5741	243 3.14	195 - 292 2.51 - 3.77	mg/dL mmol/L
<b>PO3</b> Phosphorus	Molybdate UV	1 5211	6.50 2.10	5.33 - 7.67 1.72 - 2.48	mg/dL mmol/L
<b>K</b> Potassium	Enzymatic	1 5221	6.78 26.5	6.17 - 7.39 24.1 - 28.9	mmol/L mg/dL
<b>Na</b> Sodium	Enzymatic	1 4808	156 358	146 - 165 336 - 379	mmol/L mg/dL
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	8.43 84.3	7.50 - 9.36 75.0 - 93.6	g/dL g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	324 3.24	259 - 389 2.59 - 3.89	mg/dL g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	168 1.90	138 - 199 1.55 - 2.24	mg/dL mmol/L
<b>UREA</b> Urea	Urease UV	1 3101	151 25.1	118 - 184 19.6 - 30.6	mg/dL mmol/L
<b>UA</b> Uric Acid	TOOS	1 3001	6.74 401	5.80 - 7.68 345 - 457	mg/dL µmol/L



DiaSys Diagnostic Systems GmbH  
Alte Strasse 9 65558 Holzheim Germany  
[www.diasys-diagnostics.com](http://www.diasys-diagnostics.com)

Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)

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**respons<sup>®</sup>920**




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Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	5.24 52.4	4.03 - 6.44 40.3 - 64.4	0.401 4.01	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	165 2.75	124 - 206 2.06 - 3.43	13.7 0.229	U/L µkat/L
<b>ALT/GPT</b> Alanine aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2701 +	115	88.9 - 142	8.85	U/L
	without pyridoxal phosphate 37°C	2 5010 1 2701	1.92 115 1.92	1.48 - 2.37 88.8 - 142 1.48 - 2.36	0.147 8.84 0.147	µkat/L U/L µkat/L
<b>AST/GOT</b> Aspartate aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2601 +	153	118 - 188	11.7	U/L
	without pyridoxal phosphate 37°C	2 5010 1 2601	2.55 158 2.63	1.96 - 3.13 122 - 194 2.03 - 3.24	0.195 12.1 0.202	µkat/L U/L µkat/L
<b>AMY</b> Amylase	EPS G-7	1 0501	197 3.28	157 - 236 2.62 - 3.93	13.1 0.219	U/L µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	97.1 1.62	77.7 - 116 1.29 - 1.94	6.47 0.108	U/L µkat/L
<b>APOA1</b> Apolipoprotein A1	Immunoturbidimetric	1 7102	200 2.00	160 - 240 1.60 - 2.40	13.3 0.133	mg/dL g/L
<b>APOB</b> Apolipoprotein B	Immunoturbidimetric	1 7112	109 1.09	87.2 - 131 0.872 - 1.31	7.27 0.073	mg/dL g/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	1.54 26.3	1.14 - 1.94 19.5 - 33.2	0.133 2.28	mg/dL µmol/L
<b>TBIL</b> Total Bilirubin	DCA	1 0811	4.29 73.3	3.17 - 5.40 54.3 - 92.4	0.372 6.36	mg/dL µmol/L
<b>CA</b> Calcium	Phosphonazo	1 1181	2.90 11.6	2.58 - 3.22 10.4 - 12.9	0.106 0.427	mmol/L mg/dL
<b>CL</b> Chloride	Colorimetric	1 1221	136 482	124 - 148 439 - 526	4.08 14.5	mmol/L mg/dL
	Direct ISE	960405	138 490	126 - 151 446 - 534	4.15 14.7	mmol/L mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	213 5.50	183 - 242 4.73 - 6.27	9.92 0.257	mg/dL mmol/L
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	8974 150	7358 - 10589 123 - 176	538 8.97	U/L µkat/L
<b>CK</b> Creatine kinase	DGKC, IFCC 37°C	1 1601	236 3.94	189 - 284 3.15 - 4.73	15.8 0.263	U/L µkat/L
<b>CKMB</b> Creatine kinase	mAK, Immunological method, 37°C	1 1641	53.0 0.884	42.4 - 63.6 0.707 - 1.06	3.54 0.059	U/L µkat/L
<b>CREA</b> Creatinine	Jaffé, without compensation	1 1711	4.60 407	3.59 - 5.61 317 - 496	0.337 29.8	mg/dL µmol/L
	Enzymatic PAP	1 1759	4.65 411	3.62 - 5.67 320 - 501	0.341 30.1	mg/dL µmol/L
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	92.0 1.53	71.7 - 112 1.20 - 1.87	6.74 0.112	U/L µkat/L
<b>GLUC</b> Glucose	GOD-PAP	1 2500	261 14.5	219 - 303 12.2 - 16.8	13.9 0.772	mg/dL mmol/L
	HK/G6P-DH	1 2511	257 14.3	216 - 298 12.0 - 16.6	13.7 0.761	mg/dL mmol/L
<b>HDLC</b> HDL-Cholesterol	Immuno-inhibition	1 3521	59.1 1.53	50.8 - 67.3 1.31 - 1.74	2.76 0.071	mg/dL mmol/L

Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)

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respons<sup>®</sup>920



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<b>HBUT</b> β-Hydroxybutyrate	β-HBDH / Diaphorase 37°C	1 3701	0.907	0.725 - 1.09	0.060	mmol/L
			9.44	7.55 - 11.3	0.629	mg/dL
	β-HBDH 37°C	1 3711	0.977	0.781 - 1.17	0.065	mmol/L
			10.2	8.13 - 12.2	0.678	mg/dL
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	247	188 - 307	19.8	mg/dL
			2.47	1.88 - 3.07	0.198	g/L
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	136	109 - 163	9.05	IU/mL
			326	261 - 391	21.7	ng/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	1274	1019 - 1528	84.9	mg/dL
			12.7	10.2 - 15.3	0.849	g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	123	88.4 - 157	11.5	mg/dL
			1.23	0.884 - 1.57	0.115	g/L
<b>FE</b> Iron	Ferene	1 1911	274	236 - 312	12.8	µg/dL
<b>LACT</b> Lactate	LDH UV	1 4001	31.0	24.5 - 37.5	2.17	mg/dL
			3.44	2.71 - 4.16	0.241	mmol/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	265	217 - 313	15.9	U/L
			4.42	3.62 - 5.21	0.265	µkat/L
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	121	104 - 138	5.65	mg/dL
			3.13	2.69 - 3.57	0.146	mmol/L
<b>LPS</b> Lipase	Colorimetric	1 4321	87.2	69.8 - 105	5.82	U/L
			1.45	1.16 - 1.74	0.097	µkat/L
<b>LI</b> Lithium	Direct ISE	960406	1.82	1.57 - 2.08	0.085	mmol/L
			1.26	1.09 - 1.44	0.059	mg/dL
<b>MG</b> Magnesium	Xylidyl blue	1 4610	1.79	1.51 - 2.08	0.096	mmol/L
			4.36	3.66 - 5.06	0.233	mg/dL
<b>PO3</b> Phosphorus	Molybdate UV	1 5211	6.50	5.33 - 7.67	0.390	mg/dL
			2.10	1.72 - 2.48	0.126	mmol/L
<b>K</b> Potassium	Enzymatic	1 5221	6.78	6.17 - 7.39	0.203	mmol/L
			26.5	24.1 - 28.9	0.795	mg/dL
			6.20	5.64 - 6.75	0.186	mmol/L
	Direct ISE	960403	24.2	22.0 - 26.4	0.727	mg/dL
			156	146 - 165	3.11	mmol/L
			358	336 - 379	7.16	mg/dL
<b>Na</b> Sodium	Enzymatic	1 4808	164	154 - 173	3.27	mmol/L
			376	354 - 399	7.52	mg/dL
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	8.43	7.50 - 9.36	0.309	g/dL
			84.3	75.0 - 93.6	3.09	g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	324	259 - 389	21.6	mg/dL
			3.24	2.59 - 3.89	0.216	g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	168	138 - 199	10.1	mg/dL
			1.90	1.55 - 2.24	0.114	mmol/L
<b>UREA</b> Urea	Urease UV	1 3101	151	118 - 184	11.1	mg/dL
			25.1	19.6 - 30.6	1.84	mmol/L
<b>UA</b> Uric Acid	TOOS	1 3001	6.74	5.80 - 7.68	0.314	mg/dL
			401	345 - 457	18.7	µmol/L



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Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)

 2022-02-28

**respons<sup>®</sup>940**




Updated sheets: [www.diasys-diagnostics.com/service-area/value-sheets/](http://www.diasys-diagnostics.com/service-area/value-sheets/)

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	5.24 52.4	4.03 - 6.44 40.3 - 64.4	0.401 4.01	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	165 2.75	124 - 206 2.06 - 3.43	13.7 0.229	U/L µkat/L
<b>ALT/GPT</b> Alanine aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2701 +	115	88.9 - 142	8.85	U/L
	without pyridoxal phosphate 37°C	2 5010 1 2701	1.92 115 1.92	1.48 - 2.37 88.8 - 142 1.48 - 2.36	0.147 8.84 0.147	µkat/L U/L µkat/L
<b>AST/GOT</b> Aspartate aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2601 +	153	118 - 188	11.7	U/L
	without pyridoxal phosphate 37°C	2 5010 1 2601	2.55 158 2.63	1.96 - 3.13 122 - 194 2.03 - 3.24	0.195 12.1 0.202	µkat/L U/L µkat/L
<b>AMY</b> Amylase	EPS G-7	1 0501	197 3.28	157 - 236 2.62 - 3.93	13.1 0.219	U/L µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	97.1 1.62	77.7 - 116 1.29 - 1.94	6.47 0.108	U/L µkat/L
<b>APOA1</b> Apolipoprotein A1	Immunoturbidimetric	1 7102	200 2.00	160 - 240 1.60 - 2.40	13.3 0.133	mg/dL g/L
<b>APOB</b> Apolipoprotein B	Immunoturbidimetric	1 7112	109 1.09	87.2 - 131 0.872 - 1.31	7.27 0.073	mg/dL g/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	1.54 26.3	1.14 - 1.94 19.5 - 33.2	0.133 2.28	mg/dL µmol/L
<b>TBIL</b> Total Bilirubin	DCA	1 0811	4.29 73.3	3.17 - 5.40 54.3 - 92.4	0.372 6.36	mg/dL µmol/L
<b>CA</b> Calcium	Phosphonazo	1 1181	2.90 11.6	2.58 - 3.22 10.4 - 12.9	0.106 0.427	mmol/L mg/dL
<b>CL</b> Chloride	Colorimetric	1 1221	136 482	124 - 148 439 - 526	4.08 14.5	mmol/L mg/dL
	Direct ISE	960405	138 490	126 - 151 446 - 534	4.15 14.7	mmol/L mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	213 5.50	183 - 242 4.73 - 6.27	9.92 0.257	mg/dL mmol/L
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	8974 150	7358 - 10589 123 - 176	538 8.97	U/L µkat/L
<b>CK</b> Creatine kinase	DGKC, IFCC 37°C	1 1601	236 3.94	189 - 284 3.15 - 4.73	15.8 0.263	U/L µkat/L
<b>CKMB</b> Creatine kinase	mAK, Immunological method, 37°C	1 1641	53.0 0.884	42.4 - 63.6 0.707 - 1.06	3.54 0.059	U/L µkat/L
<b>CREA</b> Creatinine	Jaffé, without compensation	1 1711	4.60 407	3.59 - 5.61 317 - 496	0.337 29.8	mg/dL µmol/L
	Enzymatic PAP	1 1759	4.65 411	3.62 - 5.67 320 - 501	0.341 30.1	mg/dL µmol/L
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	92.0 1.53	71.7 - 112 1.20 - 1.87	6.74 0.112	U/L µkat/L
<b>GLUC</b> Glucose	GOD-PAP	1 2500	261 14.5	219 - 303 12.2 - 16.8	13.9 0.772	mg/dL mmol/L
	HK/G6P-DH	1 2511	257 14.3	216 - 298 12.0 - 16.6	13.7 0.761	mg/dL mmol/L
<b>HDLC</b> HDL-Cholesterol	Immunoinhibition	1 3521	59.1 1.53	50.8 - 67.3 1.31 - 1.74	2.76 0.071	mg/dL mmol/L



Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)

 2022-02-28

**respons<sup>®</sup>940**



Updated sheets: [www.diasys-diagnostics.com/service-area/value-sheets/](http://www.diasys-diagnostics.com/service-area/value-sheets/)

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>HBUT</b> β-Hydroxybutyrate	β-HBDH / Diaphorase 37°C	1 3701	0.907	0.725 - 1.09	0.060	mmol/L
			9.44	7.55 - 11.3	0.629	mg/dL
	β-HBDH 37°C	1 3711	0.977	0.781 - 1.17	0.065	mmol/L
			10.2	8.13 - 12.2	0.678	mg/dL
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	247	188 - 307	19.8	mg/dL
			2.47	1.88 - 3.07	0.198	g/L
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	136	109 - 163	9.05	IU/mL
			326	261 - 391	21.7	ng/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	1274	1019 - 1528	84.9	mg/dL
			12.7	10.2 - 15.3	0.849	g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	123	88.4 - 157	11.5	mg/dL
			1.23	0.884 - 1.57	0.115	g/L
<b>FE</b> Iron	Ferene	1 1911	274	236 - 312	12.8	µg/dL
			49.1	42.2 - 55.9	2.29	µmol/L
<b>LACT</b> Lactate	LDH UV	1 4001	31.0	24.5 - 37.5	2.17	mg/dL
			3.44	2.71 - 4.16	0.241	mmol/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	265	217 - 313	15.9	U/L
			4.42	3.62 - 5.21	0.265	µkat/L
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	121	104 - 138	5.65	mg/dL
			3.13	2.69 - 3.57	0.146	mmol/L
<b>LPS</b> Lipase	Colorimetric	1 4321	87.2	69.8 - 105	5.82	U/L
			1.45	1.16 - 1.74	0.097	µkat/L
<b>LI</b> Lithium	Direct ISE	960406	1.82	1.57 - 2.08	0.085	mmol/L
			1.26	1.09 - 1.44	0.059	mg/dL
<b>MG</b> Magnesium	Xylidyl blue	1 4610	1.79	1.51 - 2.08	0.096	mmol/L
			4.36	3.66 - 5.06	0.233	mg/dL
<b>PO3</b> Phosphorus	Molybdate UV	1 5211	6.50	5.33 - 7.67	0.390	mg/dL
			2.10	1.72 - 2.48	0.126	mmol/L
<b>K</b> Potassium	Enzymatic	1 5221	6.78	6.17 - 7.39	0.203	mmol/L
			26.5	24.1 - 28.9	0.795	mg/dL
			6.20	5.64 - 6.75	0.186	mmol/L
	Direct ISE	960403	24.2	22.0 - 26.4	0.727	mg/dL
<b>Na</b> Sodium	Enzymatic	1 4808	156	146 - 165	3.11	mmol/L
			358	336 - 379	7.16	mg/dL
			164	154 - 173	3.27	mmol/L
	Direct ISE	960402	376	354 - 399	7.52	mg/dL
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	8.43	7.50 - 9.36	0.309	g/dL
			84.3	75.0 - 93.6	3.09	g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	324	259 - 389	21.6	mg/dL
			3.24	2.59 - 3.89	0.216	g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	168	138 - 199	10.1	mg/dL
			1.90	1.55 - 2.24	0.114	mmol/L
<b>UREA</b> Urea	Urease UV	1 3101	151	118 - 184	11.1	mg/dL
			25.1	19.6 - 30.6	1.84	mmol/L
<b>UA</b> Uric Acid	TOOS	1 3001	6.74	5.80 - 7.68	0.314	mg/dL
			401	345 - 457	18.7	µmol/L




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# TruLab P

**LOT** 29213

Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)

 **2022-02-28**

**BioMajesty**<sup>®</sup>

 **IVD**

Updated sheets: [www.diasys-diagnostics.com/service-area/value-sheets/](http://www.diasys-diagnostics.com/service-area/value-sheets/)


Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	5.24 52.4	4.03 - 6.44 40.3 - 64.4	0.401 4.01	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	165 2.75	124 - 206 2.06 - 3.43	13.7 0.229	U/L µkat/L
<b>ALT/GPT</b> Alanine aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2701 +	115	88.9 - 142	8.85	U/L
		2 5010	1.92	1.48 - 2.37	0.147	µkat/L
	without pyridoxal phosphate 37°C	1 2701	115 1.92	88.8 - 142 1.48 - 2.36	8.84 0.147	U/L µkat/L
<b>AST/GOT</b> Aspartate aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2601 +	153	118 - 188	11.7	U/L
		2 5010	2.55	1.96 - 3.13	0.195	µkat/L
	without pyridoxal phosphate 37°C	1 2601	158 2.63	122 - 194 2.03 - 3.24	12.1 0.202	U/L µkat/L
<b>AMY</b> Amylase	EPS G-7	1 0501	197	157 - 236	13.1	U/L
			3.28	2.62 - 3.93	0.219	µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	97.1 1.62	77.7 - 116 1.29 - 1.94	6.47 0.108	U/L µkat/L
<b>APOA1</b> Apolipoprotein A1	Immunoturbidimetric	1 7102	200	160 - 240	13.3	mg/dL
			2.00	1.60 - 2.40	0.133	g/L
<b>APOB</b> Apolipoprotein B	Immunoturbidimetric	1 7112	109	87.2 - 131	7.27	mg/dL
			1.09	0.872 - 1.31	0.073	g/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	1.54	1.14 - 1.94	0.133	mg/dL
			26.3	19.5 - 33.2	2.28	µmol/L
<b>TBIL</b> Total Bilirubin	DCA	1 0811	4.29	3.17 - 5.40	0.372	mg/dL
			73.3	54.3 - 92.4	6.36	µmol/L
<b>CA</b> Calcium	Phosphonazo	1 1181	2.90	2.58 - 3.22	0.106	mmol/L
			11.6	10.4 - 12.9	0.427	mg/dL
<b>CL</b> Chloride	Indirect ISE	980132	134	122 - 146	4.02	mmol/L
			476	433 - 518	14.3	mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	213	183 - 242	9.92	mg/dL
			5.50	4.73 - 6.27	0.257	mmol/L
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	8974	7358 - 10589	538	U/L
			150	123 - 176	8.97	µkat/L
<b>CK</b> Creatine kinase	DGKC, IFCC 37°C	1 1601	236	189 - 284	15.8	U/L
			3.94	3.15 - 4.73	0.263	µkat/L
<b>CKMB</b> Creatine kinase	mAK, Immunological method, 37°C	1 1641	53.0	42.4 - 63.6	3.54	U/L
			0.884	0.707 - 1.06	0.059	µkat/L
<b>CREA</b> Creatinine	Jaffé, without compensation	1 1711	4.60	3.59 - 5.61	0.337	mg/dL
			407	317 - 496	29.8	µmol/L
			411	320 - 501	30.1	µmol/L
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	92.0	71.7 - 112	6.74	U/L
			1.53	1.20 - 1.87	0.112	µkat/L
<b>GLUC</b> Glucose	HK/G6P-DH	1 2511	257	216 - 298	13.7	mg/dL
			14.3	12.0 - 16.6	0.761	mmol/L

# TruLab P

**LOT** 29213

Cat. No. 5 9050 99 10 061 (6 x 5 mL)  
5 9050 99 10 062 (20 x 5 mL)

 **2022-02-28**

**BioMajesty**<sup>®</sup>



Updated sheets: [www.diasys-diagnostics.com/service-area/value-sheets/](http://www.diasys-diagnostics.com/service-area/value-sheets/)

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>HDLC</b> HDL-Cholesterol	Immuno-inhibition	1 3521	59.1 1.53	50.8 - 67.3 1.31 - 1.74	2.76 0.071	mg/dL mmol/L
<b>HBUT</b> β-Hydroxybutyrate	β-HBDH / Diaphorase 37°C	1 3701	0.907 9.44	0.725 - 1.09 7.55 - 11.3	0.060 0.629	mmol/L mg/dL
	β-HBDH 37°C	1 3711	0.977 10.2	0.781 - 1.17 8.13 - 12.2	0.065 0.678	mmol/L mg/dL
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	2.47 2.47	1.88 - 3.07 1.88 - 3.07	19.8 0.198	mg/dL g/L
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	136 326	109 - 163 261 - 391	9.05 21.7	IU/mL ng/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	1274 12.7	1019 - 1528 10.2 - 15.3	84.9 0.849	mg/dL g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	123 1.23	88.4 - 157 0.884 - 1.57	11.5 0.115	mg/dL g/L
<b>FE</b> Iron	Ferene	1 1911	254 45.5	219 - 290 39.2 - 51.9	11.9 2.12	µg/dL µmol/L
<b>LACT</b> Lactate	LDH UV	1 4001	31.0 3.44	24.5 - 37.5 2.71 - 4.16	2.17 0.241	mg/dL mmol/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	265 4.42	217 - 313 3.62 - 5.21	15.9 0.265	U/L µkat/L
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	122 3.17	105 - 140 2.72 - 3.61	5.71 0.148	mg/dL mmol/L
<b>LPS</b> Lipase	Colorimetric	1 4321	87.2 1.45	69.8 - 105 1.16 - 1.74	5.82 0.097	U/L µkat/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	1.79 4.36	1.51 - 2.08 3.66 - 5.06	0.096 0.233	mmol/L mg/dL
<b>PL</b> Phospholipids	Enzymatic	1 5741	243 3.14	195 - 292 2.51 - 3.77	16.2 0.209	mg/dL mmol/L
<b>PO3</b> Phosphorus	Molybdate UV	1 5211	6.50 2.10	5.33 - 7.67 1.72 - 2.48	0.390 0.126	mg/dL mmol/L
<b>K</b> Potassium	Indirect ISE	980131	6.20 24.2	5.64 - 6.75 22.0 - 26.4	0.186 0.727	mmol/L mg/dL
<b>Na</b> Sodium	Indirect ISE	980130	153 351	144 - 162 330 - 372	3.06 7.03	mmol/L mg/dL
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	8.43 84.3	7.50 - 9.36 75.0 - 93.6	0.309 3.09	g/dL g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	324 3.24	259 - 389 2.59 - 3.89	21.6 0.216	mg/dL g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	168 1.90	138 - 199 1.55 - 2.24	10.1 0.114	mg/dL mmol/L
<b>UREA</b> Urea	Urease UV	1 3101	151 25.1	118 - 184 19.6 - 30.6	11.1 1.84	mg/dL mmol/L
<b>UA</b> Uric Acid	TOOS	1 3001	6.74 401	5.80 - 7.68 345 - 457	0.314 18.7	mg/dL µmol/L



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