

# DiaSera Level 1 Chemistry Control

**LOT** 291500

Cat. No. 15140-01



2023-01-31

**DiaSys reagents**



Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>ALB</b>	Bromcresol green	1 0220	3.57	2.75 - 4.40	g/dL
Albumin			35.7	27.5 - 44.0	g/L
<b>AP</b>	IFCC 37°C	1 0441	83.3	62.4 - 104	U/L
Alkaline phosphatase			1.39	1.04 - 1.73	µkat/L
	DGKC 1970 37°C	1 0401	143	107 - 178	U/L
			2.38	1.78 - 2.97	µkat/L
<b>ALT/GPT</b>	IFCC, with pyridoxal phosphate 37°C	1 2701 +	54.4	41.9 - 67.0	U/L
Alanine aminotransferase		2 5010	0.907	0.699 - 1.12	µkat/L
	without pyridoxal phosphate 37°C	1 2701	54.0	41.6 - 66.5	U/L
			0.901	0.694 - 1.11	µkat/L
<b>AST/GOT</b>	IFCC, with pyridoxal phosphate 37°C	1 2601 +	41.9	32.3 - 51.5	U/L
Aspartate aminotransferase		2 5010	0.698	0.538 - 0.859	µkat/L
	without pyridoxal phosphate 37°C	1 2601	40.8	31.4 - 50.2	U/L
			0.680	0.524 - 0.837	µkat/L
<b>AMY</b>	EPS G-7	1 0501	68.5	54.8 - 82.2	U/L
Amylase			1.14	0.913 - 1.37	µkat/L
<b>PAMY</b>	EPS G-7	1 0551	28.0	22.4 - 33.6	U/L
Pancreatic amylase			0.467	0.373 - 0.560	µkat/L
<b>APOA1</b>	Immunoturbidimetric	1 7102	126	101 - 151	mg/dL
Apolipoprotein A1			1.26	1.01 - 1.51	g/L
<b>APOB</b>	Immunoturbidimetric	1 7112	71.2	57.0 - 85.4	mg/dL
Apolipoprotein B			0.712	0.570 - 0.854	g/L
<b>BILE</b>	Colorimetric	1 2212	16.3	13.1 - 19.6	µmol/L
Total Bile Acids	Enzymatic cycling method	1 2238	10.8	8.60 - 12.9	µmol/L
<b>DBIL</b>	DCA	1 0821	0.750	0.555 - 0.945	mg/dL
Direct Bilirubin			12.8	9.49 - 16.2	µmol/L
	Jendrassik-Grof	1 0849	0.818	0.605 - 1.03	mg/dL
			14.0	10.3 - 17.6	µmol/L
<b>TBIL</b>	DCA	1 0811	1.54	1.14 - 1.94	mg/dL
Total Bilirubin			26.3	19.4 - 33.1	µmol/L
	Jendrassik-Grof	1 0849	1.72	1.27 - 2.17	mg/dL
			29.4	21.8 - 37.1	µmol/L
<b>CA</b>	Arsenazo	1 1130	2.04	1.82 - 2.27	mmol/L
Calcium			8.18	7.28 - 9.08	mg/dL
	Phosphonazo	1 1181	2.16	1.92 - 2.39	mmol/L
			8.63	7.68 - 9.58	mg/dL
<b>CL</b>	Colorimetric	1 1221	105	95.7 - 115	mmol/L
Chloride			373	339 - 407	mg/dL
<b>CHOL</b>	CHOD-PAP	1 1300 +	146	126 - 167	mg/dL
Cholesterol		1 1350	3.78	3.25 - 4.31	mmol/L
<b>CHE</b>	Butyrylthiocholin	1 1401	5981	4904 - 7058	U/L
Cholinesterase			99.7	81.7 - 118	µkat/L
<b>CK</b>	DGKC, IFCC 37°C	1 1601	155	124 - 186	U/L
Creatine kinase			2.58	2.06 - 3.09	µkat/L

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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	35.2	28.1 - 42.2	U/L
			0.586	0.469 - 0.703	µkat/L
<b>CREA</b> Creatinine	Jaffé, without compensation	1 1711	1.47	1.15 - 1.80	mg/dL
			130	101 - 159	µmol/L
	Jaffé, with compensation	1 1711	1.34	1.05 - 1.64	mg/dL
			119	92.6 - 145	µmol/L
Enzymatic PAP	1 1759	1.36	1.06 - 1.66	mg/dL	
		120	93.9 - 147	µmol/L	
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	30.0	23.4 - 36.6	U/L
			0.500	0.390 - 0.610	µkat/L
	Szasz 37°C	1 2801	26.5	20.7 - 32.4	U/L
			0.442	0.345 - 0.540	µkat/L
<b>GLDH</b> Glutamat dehydrogenase	DGKC 1970 37°C	1 2411	15.7	12.6 - 18.8	U/L
			0.261	0.209 - 0.314	µkat/L
<b>GLUC</b> Glucose	GOD-PAP	1 2500 +	85.6	71.9 - 99.3	mg/dL
			1 2550	4.75	3.99 - 5.51
	HK/G6P-DH	1 2511	83.3	70.0 - 96.7	mg/dL
			4.62	3.88 - 5.36	mmol/L
Gluc-DH	1 2531	83.2	69.9 - 96.5	mg/dL	
		4.62	3.88 - 5.35	mmol/L	
<b>HBDH</b> α-Hydroxybutyrate dehydro.	DGKC 37°C	1 3201	118	94.6 - 142	U/L
			1.97	1.58 - 2.36	µkat/L
<b>HDLC</b> HDL-Cholesterol	Immunoinhibition	1 3521	40.9	35.2 - 46.6	mg/dL
			1.06	0.910 - 1.21	mmol/L
<b>HBUT</b> β-Hydroxybutyrate	β-HBDH / Diaphorase 37°C	1 3701	0.306	0.245 - 0.368	mmol/L
			3.19	2.55 - 3.83	mg/dL
	β-HBDH 37°C	1 3711	0.329	0.263 - 0.394	mmol/L
			3.42	2.74 - 4.11	mg/dL
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	159	121 - 198	mg/dL
			1.59	1.21 - 1.98	g/L
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	98.7	78.9 - 118	IU/mL
			237	189 - 284	ng/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	811	649 - 973	mg/dL
			8.11	6.49 - 9.73	g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	79.1	57.0 - 101	mg/dL
			0.791	0.570 - 1.01	g/L
<b>FE</b> Iron	Ferene	1 1911	78.1	67.2 - 89.1	µg/dL
			14.0	12.0 - 16.0	µmol/L
<b>LACT</b> Lactate	LDH UV	1 4001	10.8	8.55 - 13.1	mg/dL
			1.20	0.949 - 1.45	mmol/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	145	119 - 171	U/L
			2.41	1.98 - 2.85	µkat/L
	DGKC opt. 1970 37°C	1 4201	231	190 - 273	U/L
			3.86	3.16 - 4.55	µkat/L

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Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	79.8 2.06	68.6 - 91.0 1.78 - 2.35	mg/dL mmol/L
<b>LPS</b> Lipase	Colorimetric	1 4321	53.4 0.890	42.7 - 64.1 0.712 - 1.07	U/L µkat/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	0.822 2.00	0.690 - 0.954 1.68 - 2.32	mmol/L mg/dL
<b>PL</b> Phospholipids	Enzymatic	1 5741	166 2.14	133 - 199 1.71 - 2.57	mg/dL mmol/L
<b>PO3</b> Phosphorus	Molybdate UV, substrate start	1 5211	2.98 0.962	2.44 - 3.52 0.789 - 1.14	mg/dL mmol/L
	Molybdate UV, sample start	1 5211	3.02 0.974	2.47 - 3.56 0.799 - 1.15	mg/dL mmol/L
<b>K</b> Potassium	Enzymatic	1 5221	3.93 15.4	3.58 - 4.29 14.0 - 16.8	mmol/L mg/dL
<b>Na</b> Sodium	Enzymatic	1 4808	129 297	122 - 137 280 - 315	mmol/L mg/dL
<b>TP</b> Total Protein	Biuret, without sample blank	1 2311	6.22 62.2	5.54 - 6.91 55.4 - 69.1	g/dL g/L
	Biuret, with sample blank	1 2311	5.51 55.1	4.90 - 6.11 49.0 - 61.1	g/dL g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	214 2.14	171 - 257 1.71 - 2.57	mg/dL g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5760	87.0	71.4 - 103	mg/dL
		1 5710	0.980	0.803 - 1.16	mmol/L
<b>UIBC</b> Unsat. Iron Binding Cap.	Ferene	1 1921	225 40.3	180 - 270 32.3 - 48.4	µg/dL µmol/L
<b>UREA</b> Urea	Urease UV	1 3101	36.2 6.02	28.2 - 44.1 4.70 - 7.34	mg/dL mmol/L
	Colorimetric, Berthelot	1 3115	32.5 5.41	25.4 - 39.7 4.22 - 6.60	mg/dL mmol/L
<b>UA</b> Uric Acid	TBHBA	1 3021	5.14 306	4.42 - 5.86 263 - 348	mg/dL µmol/L
	TOOS	1 3001	5.07 301	4.36 - 5.78 259 - 344	mg/dL µmol/L



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[www.diaserve.de](http://www.diaserve.de)

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2023-01-31

**respons<sup>®</sup> 910**  
DiaSys reagents



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Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>ALB</b>	Bromocresol green	1 0220	3.57	2.75 - 4.40	g/dL
Albumin			35.7	27.5 - 44.0	g/L
<b>AP</b>	IFCC 37°C	1 0441	83.3	62.4 - 104	U/L
Alkaline phosphatase			1.39	1.04 - 1.73	µkat/L
<b>ALT/GPT</b>	IFCC, with pyridoxal phosphate 37°C	1 2701 +	54.4	41.9 - 67.0	U/L
Alanine aminotransferase		2 5010	0.907	0.699 - 1.12	µkat/L
	without pyridoxal phosphate 37°C	1 2701	54.0	41.6 - 66.5	U/L
			0.901	0.694 - 1.11	µkat/L
<b>AST/GOT</b>	IFCC, with pyridoxal phosphate 37°C	1 2601 +	41.9	32.3 - 51.5	U/L
Aspartate aminotransferase		2 5010	0.698	0.538 - 0.859	µkat/L
	without pyridoxal phosphate 37°C	1 2601	40.8	31.4 - 50.2	U/L
			0.680	0.524 - 0.837	µkat/L
<b>AMY</b>	EPS G-7	1 0501	68.5	54.8 - 82.2	U/L
Amylase			1.14	0.913 - 1.37	µkat/L
<b>PAMY</b>	EPS G-7	1 0551	28.0	22.4 - 33.6	U/L
Pancreatic amylase			0.467	0.373 - 0.560	µkat/L
<b>APOA1</b>	Immunoturbidimetric	1 7102	126	101 - 151	mg/dL
Apolipoprotein A1			1.26	1.01 - 1.51	g/L
<b>APOB</b>	Immunoturbidimetric	1 7112	71.2	57.0 - 85.4	mg/dL
Apolipoprotein B			0.712	0.570 - 0.854	g/L
<b>BILE</b>	Enzymatic cycling method	1 2238	10.8	8.60 - 12.9	µmol/L
Total Bile Acids					
<b>DBIL</b>	DCA	1 0821	0.750	0.555 - 0.945	mg/dL
Direct Bilirubin			12.8	9.49 - 16.2	µmol/L
<b>TBIL</b>	DCA	1 0811	1.54	1.14 - 1.94	mg/dL
Total Bilirubin			26.3	19.4 - 33.1	µmol/L
<b>CA</b>	Phosphonazo	1 1181	2.16	1.92 - 2.39	mmol/L
Calcium			8.63	7.68 - 9.58	mg/dL
<b>CL</b>	Colorimetric	1 1221	105	95.7 - 115	mmol/L
Chloride			373	339 - 407	mg/dL
<b>CHOL</b>	CHOD-PAP	1 1300	146	126 - 167	mg/dL
Cholesterol			3.78	3.25 - 4.31	mmol/L
<b>CHE</b>	Butyrylthiocholin	1 1401	5981	4904 - 7058	U/L
Cholinesterase			99.7	81.7 - 118	µkat/L
<b>CK</b>	DGKC, IFCC 37°C	1 1601	155	124 - 186	U/L
Creatine kinase			2.58	2.06 - 3.09	µkat/L
<b>CKMB</b>	mAK, Immunological method, 37°C	1 1641	35.2	28.1 - 42.2	U/L
Creatine kinase			0.586	0.469 - 0.703	µkat/L
<b>CREA</b>	Jaffé , without compensation	1 1711	1.47	1.15 - 1.80	mg/dL
Creatinine			130	101 - 159	µmol/L
	Enzymatic PAP	1 1759	1.36	1.06 - 1.66	mg/dL
			120	93.9 - 147	µmol/L
<b>GGT</b>	IFCC, DGKC 1994 37°C	1 2801	30.0	23.4 - 36.6	U/L
γ-Glutamyltransferase			0.500	0.390 - 0.610	µkat/L
<b>GLUC</b>	GOD-PAP	1 2500	85.6	71.9 - 99.3	mg/dL
Glucose			4.75	3.99 - 5.51	mmol/L
	HK/G6P-DH	1 2511	83.3	70.0 - 96.7	mg/dL
			4.62	3.88 - 5.36	mmol/L

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## Chemistry Control

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Cat. No. 15140-01



2023-01-31

**respons<sup>®</sup> 910**  
DiaSys reagents



Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	Unit
<b>HDLC</b>	Immuno-inhibition	1 3521	40.9	35.2 - 46.6	mg/dL
HDL-Cholesterol			1.06	0.910 - 1.21	mmol/L
<b>HBUT</b>	β-HBDH / Diaphorase 37°C	1 3701	0.306	0.245 - 0.368	mmol/L
β-Hydroxybutyrate			3.19	2.55 - 3.83	mg/dL
	β-HBDH 37°C	1 3711	0.329	0.263 - 0.394	mmol/L
			3.42	2.74 - 4.11	mg/dL
<b>IgA</b>	Immunoturbidimetric	1 7202	159	121 - 198	mg/dL
Immunoglobulin A			1.59	1.21 - 1.98	g/L
<b>IgE</b>	Immunoturbidimetric	1 7239	98.7	78.9 - 118	IU/mL
Immunoglobulin E			237	189 - 284	ng/mL
<b>IgG</b>	Immunoturbidimetric	1 7212	811	649 - 973	mg/dL
Immunoglobulin G			8.11	6.49 - 9.73	g/L
<b>IgM</b>	Immunoturbidimetric	1 7222	79.1	57.0 - 101	mg/dL
Immunoglobulin M			0.791	0.570 - 1.01	g/L
<b>FE</b>	Ferene	1 1911	78.1	67.2 - 89.1	µg/dL
Iron			14.0	12.0 - 16.0	µmol/L
<b>LACT</b>	LDH UV	1 4001	10.8	8.55 - 13.1	mg/dL
Lactate			1.20	0.949 - 1.45	mmol/L
<b>LDH</b>	IFCC, DGKC 1994 37°C	1 4211	145	119 - 171	U/L
Lactate dehydrogenase			2.41	1.98 - 2.85	µkat/L
<b>LDLC</b>	Homogenous Select, TruCal Lipid	1 4121	79.8	68.6 - 91.0	mg/dL
LDL-Cholesterol			2.06	1.78 - 2.35	mmol/L
<b>LPS</b>	Colorimetric	1 4321	53.4	42.7 - 64.1	U/L
Lipase			0.890	0.712 - 1.07	µkat/L
<b>MG</b>	Xylidyl blue	1 4610	0.822	0.690 - 0.954	mmol/L
Magnesium			2.00	1.68 - 2.32	mg/dL
<b>PL</b>	Enzymatic	1 5741	166	133 - 199	mg/dL
Phospholipids			2.14	1.71 - 2.57	mmol/L
<b>PO3</b>	Molybdate UV	1 5211	2.98	2.44 - 3.52	mg/dL
Phosphorus			0.962	0.789 - 1.14	mmol/L
<b>K</b>	Enzymatic	1 5221	3.93	3.58 - 4.29	mmol/L
Potassium			15.4	14.0 - 16.8	mg/dL
<b>Na</b>	Enzymatic	1 4808	129	122 - 137	mmol/L
Sodium			297	280 - 315	mg/dL
<b>TP</b>	Biuret, with sample blank	1 2311	5.51	4.90 - 6.11	g/dL
Total Protein			55.1	49.0 - 61.1	g/L
<b>TRF</b>	Immunoturbidimetric	1 7252	214	171 - 257	mg/dL
Transferrin			2.14	1.71 - 2.57	g/L
<b>TRIG</b>	GPO-PAP	1 5710	87.0	71.4 - 103	mg/dL
Triglycerides			0.980	0.803 - 1.16	mmol/L
<b>UIBC</b>	Ferene	1 1921	225	180 - 270	µg/dL
Unsat.Iron Binding Cap.			40.3	32.3 - 48.4	µmol/L
<b>UREA</b>	Urease UV	1 3101	36.2	28.2 - 44.1	mg/dL
Urea			6.02	4.70 - 7.34	mmol/L
<b>UA</b>	TOOS	1 3001	5.07	4.36 - 5.78	mg/dL
Uric Acid			301	259 - 344	µmol/L




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**respons<sup>®</sup> 920**  
DiaSys reagents

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Value sheet version: 2


Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b>	Bromocresol green	1 0220	3.57	2.75 - 4.40	0.274	g/dL
Albumin			35.7	27.5 - 44.0	2.74	g/L
<b>AP</b>	IFCC 37°C	1 0441	83.3	62.4 - 104	6.94	U/L
Alkaline phosphatase			1.39	1.04 - 1.73	0.116	µkat/L
<b>ALT/GPT</b>	IFCC, with pyridoxal phosphate 37°C	1 2701 +	54.4	41.9 - 67.0	4.17	U/L
Alanine aminotransferase		2 5010	0.907	0.699 - 1.12	0.070	µkat/L
	without pyridoxal phosphate 37°C	1 2701	54.0	41.6 - 66.5	4.14	U/L
			0.901	0.694 - 1.11	0.069	µkat/L
<b>AST/GOT</b>	IFCC, with pyridoxal phosphate 37°C	1 2601 +	41.9	32.3 - 51.5	3.21	U/L
Aspartate aminotransferase		2 5010	0.698	0.538 - 0.859	0.054	µkat/L
	without pyridoxal phosphate 37°C	1 2601	40.8	31.4 - 50.2	3.13	U/L
			0.680	0.524 - 0.837	0.052	µkat/L
<b>AMY</b>	EPS G-7	1 0501	68.5	54.8 - 82.2	4.56	U/L
Amylase			1.14	0.913 - 1.37	0.076	µkat/L
<b>PAMY</b>	EPS G-7	1 0551	28.0	22.4 - 33.6	1.87	U/L
Pancreatic amylase			0.467	0.373 - 0.560	0.031	µkat/L
<b>APOA1</b>	Immunoturbidimetric	1 7102	126	101 - 151	8.39	mg/dL
Apolipoprotein A1			1.26	1.01 - 1.51	0.084	g/L
<b>APOB</b>	Immunoturbidimetric	1 7112	71.2	57.0 - 85.4	4.75	mg/dL
Apolipoprotein B			0.712	0.570 - 0.854	0.047	g/L
<b>DBIL</b>	DCA	1 0821	0.750	0.555 - 0.945	0.065	mg/dL
Direct Bilirubin			12.8	9.49 - 16.2	1.11	µmol/L
<b>TBIL</b>	DCA	1 0811	1.54	1.14 - 1.94	0.133	mg/dL
Total Bilirubin			26.3	19.4 - 33.1	2.28	µmol/L
<b>CA</b>	Phosphonazo	1 1181	2.16	1.92 - 2.39	0.079	mmol/L
Calcium			8.63	7.68 - 9.58	0.316	mg/dL
<b>CL</b>	Colorimetric	1 1221	105	95.7 - 115	3.16	mmol/L
Chloride			373	339 - 407	11.2	mg/dL
	Direct ISE	960405	101	91.8 - 110	3.03	mmol/L
			358	326 - 390	10.7	mg/dL
<b>CHOL</b>	CHOD-PAP	1 1300	146	126 - 167	6.82	mg/dL
Cholesterol			3.78	3.25 - 4.31	0.176	mmol/L
<b>CHE</b>	Butyrylthiocholin	1 1401	5981	4904 - 7058	359	U/L
Cholinesterase			99.7	81.7 - 118	5.98	µkat/L
<b>CK</b>	DGKC, IFCC 37°C	1 1601	155	124 - 186	10.3	U/L
Creatine kinase			2.58	2.06 - 3.09	0.172	µkat/L
			0.586	0.469 - 0.703	0.039	µkat/L
<b>CKMB</b>	mAK, Immunological method, 37°C	1 1641	35.2	28.1 - 42.2	2.34	U/L
Creatine kinase			0.586	0.469 - 0.703	0.039	µkat/L
			130	101 - 159	9.54	µmol/L
<b>CREA</b>	Jaffé , without compensation	1 1711	1.47	1.15 - 1.80	0.108	mg/dL
Creatinine			130	101 - 159	9.54	µmol/L
	Enzymatic PAP	1 1759	1.36	1.06 - 1.66	0.100	mmol/L
			120	93.9 - 147	8.83	µmol/L
<b>GGT</b>	IFCC, DGKC 1994 37°C	1 2801	30.0	23.4 - 36.6	2.20	U/L
γ-Glutamyltransferase			0.500	0.390 - 0.610	0.037	µkat/L
<b>GLUC</b>	GOD-PAP	1 2500	85.6	71.9 - 99.3	4.56	mg/dL
Glucose			4.75	3.99 - 5.51	0.253	mmol/L
	HK/G6P-DH	1 2511	83.3	70.0 - 96.7	4.44	mg/dL
			4.62	3.88 - 5.36	0.247	mmol/L
<b>HDLC</b>	Immuno-inhibition	1 3521	40.9	35.2 - 46.6	1.91	mg/dL
HDL-Cholesterol			1.06	0.910 - 1.21	0.049	mmol/L

# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

**respons<sup>®</sup> 920**  
DiaSys reagents

 **IVD**

Updated sheets: <https://www.diaserve.de/en/value-sheet>

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	0.306	0.245 - 0.368	0.020	mmol/L
			3.19	2.55 - 3.83	0.213	mg/dL
	β-HBDH 37°C	1 3711	0.329	0.263 - 0.394	0.022	mmol/L
			3.42	2.74 - 4.11	0.228	mg/dL
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	159	121 - 198	12.8	mg/dL
			1.59	1.21 - 1.98	0.128	g/L
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	98.7	78.9 - 118	6.58	IU/mL
			237	189 - 284	15.8	ng/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	811	649 - 973	54.1	mg/dL
			8.11	6.49 - 9.73	0.541	g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	79.1	57.0 - 101	7.38	mg/dL
			0.791	0.570 - 1.01	0.074	g/L
<b>FE</b> Iron	Ferene	1 1911	84.5	72.7 - 96.3	3.94	µg/dL
			15.1	13.0 - 17.3	0.706	µmol/L
<b>LACT</b> Lactate	LDH UV	1 4001	10.8	8.55 - 13.1	0.758	mg/dL
			1.20	0.949 - 1.45	0.084	mmol/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	145	119 - 171	8.69	U/L
			2.41	1.98 - 2.85	0.145	µkat/L
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	77.5	66.7 - 88.4	3.62	mg/dL
			2.00	1.72 - 2.29	0.094	mmol/L
<b>LPS</b> Lipase	Colorimetric	1 4321	53.4	42.7 - 64.1	3.56	U/L
			0.890	0.712 - 1.07	0.059	µkat/L
<b>LI</b> Lithium	Direct ISE	960406	0.934	0.803 - 1.06	0.044	mmol/L
			0.648	0.558 - 0.739	0.030	mg/dL
<b>MG</b> Magnesium	Xylidyl blue	1 4610	0.822	0.690 - 0.954	0.044	mmol/L
			2.00	1.68 - 2.32	0.107	mg/dL
<b>PO3</b> Phosphorus	Molybdate UV	1 5211	2.98	2.44 - 3.52	0.179	mg/dL
			0.962	0.789 - 1.14	0.058	mmol/L
<b>K</b> Potassium	Enzymatic	1 5221	3.93	3.58 - 4.29	0.118	mmol/L
			15.4	14.0 - 16.8	0.461	mg/dL
	Direct ISE	960403	3.98	3.62 - 4.34	0.120	mmol/L
			15.6	14.2 - 17.0	0.467	mg/dL
<b>Na</b> Sodium	Enzymatic	1 4808	129	122 - 137	2.59	mmol/L
			297	280 - 315	5.95	mg/dL
	Direct ISE	960402	138	129 - 146	2.75	mmol/L
			316	297 - 335	6.33	mg/dL
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	5.51	4.90 - 6.11	0.202	g/dL
			55.1	49.0 - 61.1	2.02	g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	214	171 - 257	14.3	mg/dL
			2.14	1.71 - 2.57	0.143	g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	87.0	71.4 - 103	5.22	mg/dL
			0.980	0.803 - 1.16	0.059	mmol/L
<b>UIBC</b> Unsat.Iron Binding Cap.	Ferene	1 1921	225	180 - 270	15.0	µg/dL
			40.3	32.3 - 48.4	2.69	µmol/L
<b>UREA</b> Urea	Urease UV	1 3101	36.2	28.2 - 44.1	2.65	mg/dL
			6.02	4.70 - 7.34	0.441	mmol/L
<b>UA</b> Uric Acid	TOOS	1 3001	5.07	4.36 - 5.78	0.236	mg/dL
			301	259 - 344	14.1	µmol/L




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# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

**respons<sup>®</sup>940**  
DiaSys reagents

 **IVD**

Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b> Albumin	Bromocresol green	1 0220	3.57 35.7	2.75 - 4.40 27.5 - 44.0	0.274 2.74	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	83.3 1.39	62.4 - 104 1.04 - 1.73	6.94 0.116	U/L µkat/L
<b>ALT/GPT</b> Alanine aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2701 +	54.4	41.9 - 67.0	4.17	U/L
	2 5010	0.907	0.699 - 1.12	0.070	µkat/L	
	without pyridoxal phosphate 37°C	1 2701	54.0 0.901	41.6 - 66.5 0.694 - 1.11	4.14 0.069	U/L µkat/L
<b>AST/GOT</b> Aspartate aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2601 +	41.9	32.3 - 51.5	3.21	U/L
	2 5010	0.698	0.538 - 0.859	0.054	µkat/L	
	without pyridoxal phosphate 37°C	1 2601	40.8 0.680	31.4 - 50.2 0.524 - 0.837	3.13 0.052	U/L µkat/L
<b>AMY</b> Amylase	EPS G-7	1 0501	68.5 1.14	54.8 - 82.2 0.913 - 1.37	4.56 0.076	U/L µkat/L
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	28.0 0.467	22.4 - 33.6 0.373 - 0.560	1.87 0.031	U/L µkat/L
<b>APOA1</b> Apolipoprotein A1	Immunoturbidimetric	1 7102	126 1.26	101 - 151 1.01 - 1.51	8.39 0.084	mg/dL g/L
<b>APOB</b> Apolipoprotein B	Immunoturbidimetric	1 7112	71.2 0.712	57.0 - 85.4 0.570 - 0.854	4.75 0.047	mg/dL g/L
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	0.750 12.8	0.555 - 0.945 9.49 - 16.2	0.065 1.11	mg/dL µmol/L
<b>TBIL</b> Total Bilirubin	DCA	1 0811	1.54 26.3	1.14 - 1.94 19.4 - 33.1	0.133 2.28	mg/dL µmol/L
<b>CA</b> Calcium	Phosphonazo	1 1181	2.16 8.63	1.92 - 2.39 7.68 - 9.58	0.079 0.316	mmol/L mg/dL
<b>CL</b> Chloride	Colorimetric	1 1221	105 373	95.7 - 115 339 - 407	3.16 11.2	mmol/L mg/dL
	Direct ISE	960405	101 358	91.8 - 110 326 - 390	3.03 10.7	mmol/L mg/dL
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300	146 3.78	126 - 167 3.25 - 4.31	6.82 0.176	mg/dL mmol/L
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	5981 99.7	4904 - 7058 81.7 - 118	359 5.98	U/L µkat/L
<b>CK</b> Creatine kinase	DGKC, IFCC 37°C	1 1601	155 2.58	124 - 186 2.06 - 3.09	10.3 0.172	U/L µkat/L
<b>CKMB</b> Creatine kinase	mAK, Immunological method, 37°C	1 1641	35.2 0.586	28.1 - 42.2 0.469 - 0.703	2.34 0.039	U/L µkat/L
<b>CREA</b> Creatinine	Jaffé , without compensation	1 1711	1.47 130	1.15 - 1.80 101 - 159	0.108 9.54	mg/dL µmol/L
	Enzymatic PAP	1 1759	1.36 120	1.06 - 1.66 93.9 - 147	0.100 8.83	mmol/L µmol/L
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	30.0 0.500	23.4 - 36.6 0.390 - 0.610	2.20 0.037	U/L µkat/L
<b>GLUC</b> Glucose	GOD-PAP	1 2500	85.6 4.75	71.9 - 99.3 3.99 - 5.51	4.56 0.253	mg/dL mmol/L
	HK/G6P-DH	1 2511	83.3 4.62	70.0 - 96.7 3.88 - 5.36	4.44 0.247	mg/dL mmol/L
<b>HDLC</b> HDL-Cholesterol	Immuno-inhibition	1 3521	40.9 1.06	35.2 - 46.6 0.910 - 1.21	1.91 0.049	mg/dL mmol/L




# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

**respons<sup>®</sup>940**  
DiaSys reagents

 **IVD**

Updated sheets: <https://www.diaserve.de/en/value-sheet>

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	0.306	0.245 - 0.368	0.020	mmol/L
			3.19	2.55 - 3.83	0.213	mg/dL
	β-HBDH 37°C	1 3711	0.329	0.263 - 0.394	0.022	mmol/L
			3.42	2.74 - 4.11	0.228	mg/dL
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	159	121 - 198	12.8	mg/dL
			1.59	1.21 - 1.98	0.128	g/L
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	98.7	78.9 - 118	6.58	IU/mL
			237	189 - 284	15.8	ng/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	811	649 - 973	54.1	mg/dL
			8.11	6.49 - 9.73	0.541	g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	79.1	57.0 - 101	7.38	mg/dL
			0.791	0.570 - 1.01	0.074	g/L
<b>FE</b> Iron	Ferene	1 1911	84.5	72.7 - 96.3	3.94	µg/dL
			15.1	13.0 - 17.3	0.706	µmol/L
<b>LACT</b> Lactate	LDH UV	1 4001	10.8	8.55 - 13.1	0.758	mg/dL
			1.20	0.949 - 1.45	0.084	mmol/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	145	119 - 171	8.69	U/L
			2.41	1.98 - 2.85	0.145	µkat/L
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	77.5	66.7 - 88.4	3.62	mg/dL
			2.00	1.72 - 2.29	0.094	mmol/L
<b>LPS</b> Lipase	Colorimetric	1 4321	53.4	42.7 - 64.1	3.56	U/L
			0.890	0.712 - 1.07	0.059	µkat/L
<b>LI</b> Lithium	Direct ISE	960406	0.934	0.803 - 1.06	0.044	mmol/L
			0.648	0.558 - 0.739	0.030	mg/dL
<b>MG</b> Magnesium	Xylidyl blue	1 4610	0.822	0.690 - 0.954	0.044	mmol/L
			2.00	1.68 - 2.32	0.107	mg/dL
<b>PO3</b> Phosphorus	Molybdate UV	1 5211	2.98	2.44 - 3.52	0.179	mg/dL
			0.962	0.789 - 1.14	0.058	mmol/L
<b>K</b> Potassium	Enzymatic	1 5221	3.93	3.58 - 4.29	0.118	mmol/L
			15.4	14.0 - 16.8	0.461	mg/dL
	Direct ISE	960403	3.98	3.62 - 4.34	0.120	mmol/L
			15.6	14.2 - 17.0	0.467	mg/dL
<b>Na</b> Sodium	Enzymatic	1 4808	129	122 - 137	2.59	mmol/L
			297	280 - 315	5.95	mg/dL
	Direct ISE	960402	138	129 - 146	2.75	mmol/L
			316	297 - 335	6.33	mg/dL
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	5.51	4.90 - 6.11	0.202	g/dL
			55.1	49.0 - 61.1	2.02	g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	214	171 - 257	14.3	mg/dL
			2.14	1.71 - 2.57	0.143	g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	87.0	71.4 - 103	5.22	mg/dL
			0.980	0.803 - 1.16	0.059	mmol/L
<b>UIBC</b> Unsat.Iron Binding Cap.	Ferene	1 1921	225	180 - 270	15.0	µg/dL
			40.3	32.3 - 48.4	2.69	µmol/L
<b>UREA</b> Urea	Urease UV	1 3101	36.2	28.2 - 44.1	2.65	mg/dL
			6.02	4.70 - 7.34	0.441	mmol/L
<b>UA</b> Uric Acid	TOOS	1 3001	5.07	4.36 - 5.78	0.236	mg/dL
			301	259 - 344	14.1	µmol/L




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# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

**BioMajesty**<sup>®</sup>

JEOL BIOMAJESTY BM6010/C

SIEMENS ADVIA 1200

DiaSys reagents

Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2


Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b> Albumin	Bromcresol green	1 0220	3.57 35.7	2.75 - 4.40 27.5 - 44.0	0.274 2.74	g/dL g/L
<b>AP</b> Alkaline phosphatase	IFCC 37°C	1 0441	83.3 1.39	62.4 - 104 1.04 - 1.73	6.94 0.116	U/L µkat/L
<b>ALT/GPT</b> Alanine aminotransferase	IFCC, with pyridoxal phosphate 37°C	1 2701 + 2 5010	54.4 0.907	41.9 - 67.0 0.699 - 1.12	4.17 0.070	U/L µkat/L
	without pyridoxal phosphate 37°C	1 2701	54.0 0.901	41.6 - 66.5 0.694 - 1.11	4.14 0.069	U/L µkat/L
	IFCC, with pyridoxal phosphate 37°C	1 2601 + 2 5010	41.9 0.698	32.3 - 51.5 0.538 - 0.859	3.21 0.054	U/L µkat/L
<b>AST/GOT</b> Aspartate aminotransferase	without pyridoxal phosphate 37°C	1 2601	40.8 0.680	31.4 - 50.2 0.524 - 0.837	3.13 0.052	U/L µkat/L
	<b>AMY</b> Amylase	EPS G-7	1 0501	68.5 1.14	54.8 - 82.2 0.913 - 1.37	4.56 0.076
<b>PAMY</b> Pancreatic amylase	EPS G-7	1 0551	28.0 0.467	22.4 - 33.6 0.373 - 0.560	1.87 0.031	U/L µkat/L
<b>APOA1</b> Apolipoprotein A1	Immunoturbidimetric	1 7102	126 1.26	101 - 151 1.01 - 1.51	8.39 0.084	mg/dL g/L
			<b>APOB</b> Apolipoprotein B	71.2 0.712	57.0 - 85.4 0.570 - 0.854	4.75 0.047
<b>DBIL</b> Direct Bilirubin	DCA	1 0821	0.750 12.8	0.555 - 0.945 9.49 - 16.2	0.065 1.11	mg/dL µmol/L
			<b>TBIL</b> Total Bilirubin	1.54 26.3	1.14 - 1.94 19.4 - 33.1	0.133 2.28
<b>CA</b> Calcium	Phosphonazo	1 1181	2.16 8.63	1.92 - 2.39 7.68 - 9.58	0.079 0.316	mmol/L mg/dL
			<b>CL</b> Chloride	Indirect ISE	980132	98.6 350
<b>CHOL</b> Cholesterol	CHOD-PAP	1 1300				146 3.78
<b>CHE</b> Cholinesterase	Butyrylthiocholin	1 1401	5981 99.7	4904 - 7058 81.7 - 118	359 5.98	U/L µkat/L
			<b>CK</b> Creatine kinase	DGKC, IFCC 37°C	1 1601	155 2.58
<b>CKMB</b> Creatine kinase	mAK, Immunological method, 37°C	1 1641	35.2 0.586	28.1 - 42.2 0.469 - 0.703	2.34 0.039	U/L µkat/L
			<b>CREA</b> Creatinine	Jaffé, without compensation	1 1711	1.47 130
	Enzymatic PAP	1 1759		1.36 120	1.06 - 1.66 93.9 - 147	0.100 8.83
<b>GGT</b> γ-Glutamyltransferase	IFCC, DGKC 1994 37°C	1 2801	30.0 0.500	23.4 - 36.6 0.390 - 0.610	2.20 0.037	U/L µkat/L
<b>GLUC</b> Glucose	HK/G6P-DH	1 2511	83.3 4.62	70.0 - 96.7 3.88 - 5.36	4.44 0.247	mg/dL mmol/L
			<b>HDLC</b> HDL-Cholesterol	Immuno-inhibition	1 3521	40.9 1.06

# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

**BioMajesty**<sup>®</sup>

JEOL BIOMAJESTY BM6010/C

SIEMENS ADVIA 1200

DiaSys reagents

Updated sheets: <https://www.diaserve.de/en/value-sheet>

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	0.306	0.245 - 0.368	0.020	mmol/L
			3.19	2.55 - 3.83	0.213	mg/dL
	β-HBDH 37°C	1 3711	0.329	0.263 - 0.394	0.022	mmol/L
			3.42	2.74 - 4.11	0.228	mg/dL
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	159	121 - 198	12.8	mg/dL
			1.59	1.21 - 1.98	0.128	g/L
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	98.7	78.9 - 118	6.58	IU/mL
			237	189 - 284	15.8	ng/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	811	649 - 973	54.1	mg/dL
			8.11	6.49 - 9.73	0.541	g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	79.1	57.0 - 101	7.38	mg/dL
			0.791	0.570 - 1.01	0.074	g/L
<b>FE</b> Iron	Ferene	1 1911	78.1	67.2 - 89.1	3.65	µg/dL
			14.0	12.0 - 16.0	0.653	µmol/L
<b>LACT</b> Lactate	LDH UV	1 4001	10.8	8.55 - 13.1	0.758	mg/dL
			1.20	0.949 - 1.45	0.084	mmol/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	145	119 - 171	8.69	U/L
			2.41	1.98 - 2.85	0.145	µkat/L
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	79.8	68.6 - 91.0	3.72	mg/dL
			2.06	1.78 - 2.35	0.096	mmol/L
<b>LPS</b> Lipase	Colorimetric	1 4321	53.4	42.7 - 64.1	3.56	U/L
			0.890	0.712 - 1.07	0.059	µkat/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	0.822	0.690 - 0.954	0.044	mmol/L
			2.00	1.68 - 2.32	0.107	mg/dL
<b>PL</b> Phospholipids	Enzymatic	1 5741	166	133 - 199	11.1	mg/dL
			2.14	1.71 - 2.57	0.143	mmol/L
<b>PO3</b> Phosphorus	Molybdate UV	1 5211	2.98	2.44 - 3.52	0.179	mg/dL
			0.962	0.789 - 1.14	0.058	mmol/L
<b>K</b> Potassium	Indirect ISE	980131	3.89	3.54 - 4.24	0.117	mmol/L
			15.2	13.8 - 16.6	0.456	mg/dL
<b>Na</b> Sodium	Indirect ISE	980130	131	123 - 139	2.63	mmol/L
			302	284 - 320	6.04	mg/dL
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	5.51	4.90 - 6.11	0.202	g/dL
			55.1	49.0 - 61.1	2.02	g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	214	171 - 257	14.3	mg/dL
			2.14	1.71 - 2.57	0.143	g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	87.0	71.4 - 103	5.22	mg/dL
			0.980	0.803 - 1.16	0.059	mmol/L
<b>UIBC</b> Unsat.Iron Binding Cap.	Ferene	1 1921	225	180 - 270	15.0	µg/dL
			40.3	32.3 - 48.4	2.69	µmol/L
<b>UREA</b> Urea	Urease UV	1 3101	36.2	28.2 - 44.1	2.65	mg/dL
			6.02	4.70 - 7.34	0.441	mmol/L
<b>UA</b> Uric Acid	TOOS	1 3001	5.07	4.36 - 5.78	0.236	mg/dL
			301	259 - 344	14.1	µmol/L




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# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

**BioMajesty**<sup>®</sup>

 **IVD**

**JEOL BIOMAJESTY BM6010/C**

**SIEMENS ADVIA 1200**

Siemens reagents

Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2


Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b>	Bromcresol green	10311832	3.62	2.79 - 4.46	0.278	g/dL
Albumin		ALB	36.2	27.9 - 44.6	2.78	g/L
<b>ALT/GPT</b>	Modified IFCC	10318168	59.6	45.9 - 73.3	4.57	U/L
Alanine aminotransferase		ALT	0.993	0.764 - 1.22	0.076	µkat/L
<b>AST/GOT</b>	Modified IFCC	10341132	45.0	34.6 - 55.3	3.45	U/L
Aspartate aminotransferase		AST	0.749	0.577 - 0.922	0.057	µkat/L
<b>AMY</b>	Ethylidene Blocked-pNPG7	10341130	78.8	63.0 - 94.5	5.25	U/L
Amylase		AMY	1.31	1.05 - 1.58	0.088	µkat/L
<b>BUN</b>	Urease with GLDH	10309051	17.3	13.5 - 21.1	1.27	mg/dL
Urea-N		UN	314	245 - 384	23.1	mmol/L
<b>DBIL</b>	Vandate Oxidation	10316610	0.770	0.570 - 0.970	0.067	mg/dL
Direct Bilirubin		DBIL_2	13.2	9.74 - 16.6	1.14	µmol/L
<b>TBIL</b>	Vanadate oxidation	10341115	1.78	1.32 - 2.25	0.154	mg/dL
Total Bilirubin		TBIL_2	30.5	22.6 - 38.4	2.64	µmol/L
<b>CA</b>	Arsenazo III	10341116	2.13	1.89 - 2.36	0.078	mmol/L
Calcium		CA_2	8.51	7.58 - 9.45	0.312	mg/dL
<b>CL</b>	Indirect ISE	980132	98.6	89.7 - 107	2.96	mmol/L
Chloride			350	318 - 381	10.5	mg/dL
<b>CHOL</b>	Enzymatic	10376501	147	126 - 168	6.86	mg/dL
Cholesterol		CHOL_2	3.80	3.27 - 4.33	0.177	mmol/L
<b>CK</b>	IFCC reference method	10729780	153	123 - 184	10.2	U/L
Creatine kinase		CK-L	2.56	2.05 - 3.07	0.170	µkat/L
<b>CKMB</b>	CKMB	10315502	35.0	28.0 - 42.0	2.33	U/L
Creatine kinase		11266257	0.583	0.466 - 0.699	0.039	µkat/L
<b>CREA</b>	Jaffe, alkaline picrate	10309050	1.35	1.05 - 1.65	0.099	mg/dL
Creatinine		CREA_2	119	93.1 - 146	8.76	µmol/L
	Creatinase enzymatic	10335869	1.29	1.00 - 1.57	0.094	mg/dL
		ECRE_2	114	88.6 - 139	8.33	µmol/L
<b>GGT</b>	Modified IFCC	10316298	29.6	23.1 - 36.1	2.17	U/L
γ-Glutamyltransferase		GGT	0.493	0.385 - 0.602	0.036	µkat/L
<b>GLUC</b>	Glucose Oxidase	10492319	85.9	72.2 - 99.7	4.58	mg/dL
Glucose		GLUO	4.77	4.01 - 5.53	0.254	mmol/L
	Hexokinase	10335891	84.1	70.7 - 97.6	4.49	mg/dL
		GLUH3	4.67	3.92 - 5.42	0.249	mmol/L
<b>HDLC</b>	Elimination / catalase	10309507	41.9	36.0 - 47.8	1.96	mg/dL
HDL-Cholesterol		D-HDL	1.08	0.932 - 1.24	0.051	mmol/L
<b>FE</b>	Ferrozine	10341118	80.8	69.5 - 92.1	3.77	µg/dL
Iron		IRON_2	14.5	12.4 - 16.5	0.675	µmol/L
<b>LDLC</b>	Elimination / catalase	10311891	87.0	74.8 - 99.2	4.06	mg/dL
LDL-Cholesterol		DLDL	2.25	1.93 - 2.56	0.105	mmol/L
<b>LPS</b>	Colorimetric rate	10311896	51.3	41.0 - 61.5	3.42	U/L
Lipase		LIP	0.855	0.684 - 1.03	0.057	µkat/L
<b>MG</b>	Xylidyl blue	10309506	0.735	0.617 - 0.853	0.039	mmol/L
Magnesium		MG	1.79	1.50 - 2.07	0.095	mg/dL
<b>PO3</b>	Phosphomolybdate/UV	10309503	3.05	2.50 - 3.60	0.183	mg/dL
Phosphorus		IP	0.985	0.808 - 1.16	0.059	mmol/L

# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

**BioMajesty**<sup>®</sup>

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SIEMENS ADVIA 1200

Siemens reagents

Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>K</b> Potassium	Indirect ISE	980131	3.89 15.2	3.54 - 4.24 13.8 - 16.6	0.117 0.456	mmol/L mg/dL
<b>Na</b> Sodium	Indirect ISE	980130	131 302	123 - 139 284 - 320	2.63 6.04	mmol/L mg/dL
<b>TP</b> Total Protein	Biuret	10311878	5.35 53.5	4.76 - 5.93 47.6 - 59.3	0.196 1.96	g/dL g/L
<b>TRIG</b> Triglycerides	GPO-Trinder without serum blank	10335892	105 1.18	86.0 - 124 0.969 - 1.39	6.30 0.071	mg/dL mmol/L
<b>IBCT</b> Iron Binding Capacity Total	Sequential release, uptake of iron	10309071	279 50.0	223 - 335 40.0 - 59.9	18.6 3.33	µg/dL µmol/L
<b>UREA</b> Urea	Urease with GLDH	10309051	37.1 6.17	28.9 - 45.2 4.81 - 7.53	2.72 0.452	mg/dL mmol/L
<b>UA</b> Uric Acid	Uricase/Peroxidase	10309492	5.29 314	4.55 - 6.03 270 - 358	0.247 14.7	mg/dL µmol/L




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# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

### SIEMENS ADVIA 1800

DiaSys reagents



Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2


Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b>	Bromocresol green	1 0220	3.57	2.75 - 4.40	0.274	g/dL
Albumin			35.7	27.5 - 44.0	2.74	g/L
<b>AP</b>	IFCC 37°C	1 0441	83.3	62.4 - 104	6.94	U/L
Alkaline phosphatase			1.39	1.04 - 1.73	0.116	µkat/L
<b>ALT/GPT</b>	IFCC, with pyridoxal phosphate 37°C	1 2701 +	54.4	41.9 - 67.0	4.17	U/L
Alanine aminotransferase	2 5010	0.907	0.699	- 1.12	0.070	µkat/L
	without pyridoxal phosphate 37°C	1 2701	54.0	41.6 - 66.5	4.14	U/L
			0.901	0.694 - 1.11	0.069	µkat/L
<b>AST/GOT</b>	IFCC, with pyridoxal phosphate 37°C	1 2601 +	41.9	32.3 - 51.5	3.21	U/L
Aspartate aminotransferase	2 5010	0.698	0.538	- 0.859	0.054	µkat/L
	without pyridoxal phosphate 37°C	1 2601	40.8	31.4 - 50.2	3.13	U/L
			0.680	0.524 - 0.837	0.052	µkat/L
<b>AMY</b>	EPS G-7	1 0501	68.5	54.8 - 82.2	4.56	U/L
Amylase			1.14	0.913 - 1.37	0.076	µkat/L
<b>PAMY</b>	EPS G-7	1 0551	28.0	22.4 - 33.6	1.87	U/L
Pancreatic amylase			0.467	0.373 - 0.560	0.031	µkat/L
<b>APOA1</b>	Immunoturbidimetric	1 7102	126	101 - 151	8.39	mg/dL
Apolipoprotein A1			1.26	1.01 - 1.51	0.084	g/L
<b>APOB</b>	Immunoturbidimetric	1 7112	71.2	57.0 - 85.4	4.75	mg/dL
Apolipoprotein B			0.712	0.570 - 0.854	0.047	g/L
<b>DBIL</b>	DCA	1 0821	0.750	0.555 - 0.945	0.065	mg/dL
Direct Bilirubin			12.8	9.49 - 16.2	1.11	µmol/L
<b>TBIL</b>	DCA	1 0811	1.54	1.14 - 1.94	0.133	mg/dL
Total Bilirubin			26.3	19.4 - 33.1	2.28	µmol/L
<b>CA</b>	Phosphonazo	1 1181	2.16	1.92 - 2.39	0.079	mmol/L
Calcium			8.63	7.68 - 9.58	0.316	mg/dL
<b>CL</b>	Indirect ISE	980132	98.6	89.7 - 107	2.96	mmol/L
Chloride			350	318 - 381	10.5	mg/dL
<b>CHOL</b>	CHOD-PAP	1 1300	146	126 - 167	6.82	mg/dL
Cholesterol			3.78	3.25 - 4.31	0.176	mmol/L
<b>CHE</b>	Butyrylthiocholin	1 1401	5981	4904 - 7058	359	U/L
Cholinesterase			99.7	81.7 - 118	5.98	µkat/L
<b>CK</b>	DGKC, IFCC 37°C	1 1601	155	124 - 186	10.3	U/L
Creatine kinase			2.58	2.06 - 3.09	0.172	µkat/L
<b>CKMB</b>	mAK, Immunological method, 37°C	1 1641	35.2	28.1 - 42.2	2.34	U/L
Creatine kinase			0.586	0.469 - 0.703	0.039	µkat/L
<b>CREA</b>	Jaffé, without compensation	1 1711	1.47	1.15 - 1.80	0.108	mg/dL
Creatinine			130	101 - 159	9.54	µmol/L
	Enzymatic PAP	1 1759	1.36	1.06 - 1.66	0.100	mg/dL
			120	93.9 - 147	8.83	µmol/L
<b>GGT</b>	IFCC, DGKC 1994 37°C	1 2801	30.0	23.4 - 36.6	2.20	U/L
γ-Glutamyltransferase			0.500	0.390 - 0.610	0.037	µkat/L
<b>GLUC</b>	HK/G6P-DH	1 2511	83.3	70.0 - 96.7	4.44	mg/dL
Glucose			4.62	3.88 - 5.36	0.247	mmol/L
<b>HDLC</b>	Immuno-inhibition	1 3521	40.9	35.2 - 46.6	1.91	mg/dL
HDL-Cholesterol			1.06	0.910 - 1.21	0.049	mmol/L

# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

### SIEMENS ADVIA 1800

DiaSys reagents



Updated sheets: <https://www.diaserve.de/en/value-sheet>

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	0.306	0.245 - 0.368	0.020	mmol/L
			3.19	2.55 - 3.83	0.213	mg/dL
	β-HBDH 37°C	1 3711	0.329	0.263 - 0.394	0.022	mmol/L
			3.42	2.74 - 4.11	0.228	mg/dL
<b>IgA</b> Immunoglobulin A	Immunoturbidimetric	1 7202	159	121 - 198	12.8	mg/dL
			1.59	1.21 - 1.98	0.128	g/L
<b>IgE</b> Immunoglobulin E	Immunoturbidimetric	1 7239	98.7	78.9 - 118	6.58	IU/mL
			237	189 - 284	15.8	ng/mL
<b>IgG</b> Immunoglobulin G	Immunoturbidimetric	1 7212	811	649 - 973	54.1	mg/dL
			8.11	6.49 - 9.73	0.541	g/L
<b>IgM</b> Immunoglobulin M	Immunoturbidimetric	1 7222	79.1	57.0 - 101	7.38	mg/dL
			0.791	0.570 - 1.01	0.074	g/L
<b>FE</b> Iron	Ferene	1 1911	78.1	67.2 - 89.1	3.65	µg/dL
			14.0	12.0 - 16.0	0.653	µmol/L
<b>LACT</b> Lactate	LDH UV	1 4001	10.8	8.55 - 13.1	0.758	mg/dL
			1.20	0.949 - 1.45	0.084	mmol/L
<b>LDH</b> Lactate dehydrogenase	IFCC, DGKC 1994 37°C	1 4211	145	119 - 171	8.69	U/L
			2.41	1.98 - 2.85	0.145	µkat/L
<b>LDLC</b> LDL-Cholesterol	Homogenous Select, TruCal Lipid	1 4121	79.8	68.6 - 91.0	3.72	mg/dL
			2.06	1.78 - 2.35	0.096	mmol/L
<b>LPS</b> Lipase	Colorimetric	1 4321	53.4	42.7 - 64.1	3.56	U/L
			0.890	0.712 - 1.07	0.059	µkat/L
<b>MG</b> Magnesium	Xylidyl blue	1 4610	0.822	0.690 - 0.954	0.044	mmol/L
			2.00	1.68 - 2.32	0.107	mg/dL
<b>PL</b> Phospholipids	Enzymatic	1 5741	166	133 - 199	11.1	mg/dL
			2.14	1.71 - 2.57	0.143	mmol/L
<b>PO3</b> Phosphorus	Molybdate UV	1 5211	2.98	2.44 - 3.52	0.179	mg/dL
			0.962	0.789 - 1.14	0.058	mmol/L
<b>K</b> Potassium	Indirect ISE	980131	3.89	3.54 - 4.24	0.117	mmol/L
			15.2	13.8 - 16.6	0.456	mg/dL
<b>Na</b> Sodium	Indirect ISE	980130	131	123 - 139	2.63	mmol/L
			302	284 - 320	6.04	mg/dL
<b>TP</b> Total Protein	Biuret, with sample blank	1 2311	5.51	4.90 - 6.11	0.202	g/dL
			55.1	49.0 - 61.1	2.02	g/L
<b>TRF</b> Transferrin	Immunoturbidimetric	1 7252	214	171 - 257	14.3	mg/dL
			2.14	1.71 - 2.57	0.143	g/L
<b>TRIG</b> Triglycerides	GPO-PAP	1 5710	87.0	71.4 - 103	5.22	mg/dL
			0.980	0.803 - 1.16	0.059	mmol/L
<b>UIBC</b> Unsat.Iron Binding Cap.	Ferene	1 1921	225	180 - 270	15.0	µg/dL
			40.3	32.3 - 48.4	2.69	µmol/L
<b>UREA</b> Urea	Urease UV	1 3101	36.2	28.2 - 44.1	2.65	mg/dL
			6.02	4.70 - 7.34	0.441	mmol/L
<b>UA</b> Uric Acid	TOOS	1 3001	5.07	4.36 - 5.78	0.236	mg/dL
			301	259 - 344	14.1	µmol/L




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# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

### SIEMENS ADVIA 1800

Siemens reagents



Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2


Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b>	Bromocresol green	10311832	3.62	2.79 - 4.46	0.278	g/dL
Albumin		ALB	36.2	27.9 - 44.6	2.78	g/L
<b>ALT/GPT</b>	Modified IFCC	10318168	59.6	45.9 - 73.3	4.57	U/L
Alanine aminotransferase		ALT	0.993	0.764 - 1.22	0.076	µkat/L
<b>AST/GOT</b>	Modified IFCC	10341132	45.0	34.6 - 55.3	3.45	U/L
Aspartate aminotransferase		AST	0.749	0.577 - 0.922	0.057	µkat/L
<b>AMY</b>	Ethylidene Blocked-pNPG7	10341130	78.8	63.0 - 94.5	5.25	U/L
Amylase		AMY	1.31	1.05 - 1.58	0.088	µkat/L
<b>BUN</b>	Urease with GLDH	10309051	17.3	13.5 - 21.1	1.27	mg/dL
Urea-N		UN	6.17	4.81 - 7.53	0.452	mmol/L
<b>DBIL</b>	Vanadate Oxidation	10316610	0.770	0.570 - 0.970	0.067	mg/dL
Direct Bilirubin		DBIL_2	13.2	9.74 - 16.6	1.14	µmol/L
<b>TBIL</b>	Vanadate oxidation	10341115	1.78	1.32 - 2.25	0.154	mg/dL
Total Bilirubin		TBIL_2	30.5	22.6 - 38.4	2.64	µmol/L
<b>CA</b>	Arsenazo III	10341116	2.13	1.89 - 2.36	0.078	mmol/L
Calcium		CA_2	8.51	7.58 - 9.45	0.312	mg/dL
<b>CL</b>	Indirect ISE	980132	98.6	89.7 - 107	2.96	mmol/L
Chloride			350	318 - 381	10.5	mg/dL
<b>CHOL</b>	Enzymatic	10376501	147	126 - 168	6.86	mg/dL
Cholesterol		CHOL_2	3.80	3.27 - 4.33	0.177	mmol/L
<b>CK</b>	IFCC reference method	10729780	153	123 - 184	10.2	U/L
Creatine kinase		CK_L	2.56	2.05 - 3.07	0.170	µkat/L
<b>CKMB</b>	CKMB	10315502	35.0	28.0 - 42.0	2.33	U/L
Creatine kinase		11266257	0.583	0.466 - 0.699	0.039	µkat/L
<b>CREA</b>	Jaffe, alkaline picrate	10309050	1.35	1.05 - 1.65	0.099	mg/dL
Creatinine		CREA_2	119	93.1 - 146	8.76	µmol/L
	Creatinase enzymatic	10335869	1.29	1.00 - 1.57	0.094	mg/dL
		ECRE_2	114	88.6 - 139	8.33	µmol/L
<b>GGT</b>	Modified IFCC	10316298	29.6	23.1 - 36.1	2.17	U/L
γ-Glutamyltransferase		GGT	0.493	0.385 - 0.602	0.036	µkat/L
<b>GLUC</b>	Glucose Oxidase	10492319	85.9	72.2 - 99.7	4.58	mg/dL
Glucose		GLUO	4.77	4.01 - 5.53	0.254	mmol/L
	Hexokinase	10335891	84.1	70.7 - 97.6	4.49	mg/dL
		GLUH3	4.67	3.92 - 5.42	0.249	mmol/L
<b>HDLC</b>	Elimination / catalase	10309507	41.9	36.0 - 47.8	1.96	mg/dL
HDL-Cholesterol		D-HDL	1.08	0.932 - 1.24	0.051	mmol/L
<b>FE</b>	Ferrozine	10341118	80.8	69.5 - 92.1	3.77	µg/dL
Iron		IRON_2	14.5	12.4 - 16.5	0.675	µmol/L
<b>LDLC</b>	Elimination / catalase	10311891	87.0	74.8 - 99.2	4.06	mg/dL
LDL-Cholesterol		DLDL	2.25	1.93 - 2.56	0.105	mmol/L
<b>LPS</b>	Colorimetric rate	10311896	51.3	41.0 - 61.5	3.42	U/L
Lipase		LIP	0.855	0.684 - 1.03	0.057	µkat/L
<b>MG</b>	Xylidyl blue	10309506	0.735	0.617 - 0.853	0.039	mmol/L
Magnesium		MG	1.79	1.50 - 2.07	0.095	mg/dL
<b>PO3</b>	Phosphomolybdate/UV	10309503	3.05	2.50 - 3.60	0.183	mg/dL
Phosphorus		IP	0.985	0.808 - 1.16	0.059	mmol/L



# DiaSera Level 1 Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

**SIEMENS ADVIA 1800**  
Siemens reagents



Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>K</b> Potassium	Indirect ISE	980131	3.89 15.2	3.54 - 4.24 13.8 - 16.6	0.117 0.456	mmol/L mg/dL
<b>Na</b> Sodium	Indirect ISE	980130	131 302	123 - 139 284 - 320	2.63 6.04	mmol/L mg/dL
<b>TP</b> Total Protein	Biuret	10311878 TP	5.35 53.5	4.76 - 5.93 47.6 - 59.3	0.196 1.96	g/dL g/L
<b>TRIG</b> Triglycerides	GPO-Trinder without serum blank	10335892 TRIG_2	105 1.18	86.0 - 124 0.969 - 1.39	6.30 0.071	mg/dL mmol/L
<b>IBCT</b> Iron Binding Capacity Total	Sequential release, uptake of iron	10309071 TIBC	279 50.0	223 - 335 40.0 - 59.9	18.6 3.33	µg/dL µmol/L
<b>UREA</b> Urea	Urease with GLDH	10309051 UN	37.1 6.17	28.9 - 45.2 4.81 - 7.53	2.72 0.452	mg/dL mmol/L
<b>UA</b> Uric Acid	Uricase/Peroxidase	10309492 UA	5.29 314	4.55 - 6.03 270 - 358	0.247 14.7	mg/dL µmol/L




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# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

**SIEMENS DIMENSION ExL/RxL/Expand**  
Siemens reagents



Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2


Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b>	Bromocresol purple	DF13	3.11	2.39 - 3.82	0.238	g/dL
Albumin		ALB	31.1	23.9 - 38.2	2.38	g/L
<b>AP</b>	P-Nitrophenylphosphat	DF150	82.9	62.2 - 104	6.91	U/L
Alkaline phosphatase		ALPI	1.38	1.04 - 1.73	0.115	µkat/L
<b>ALT/GPT</b>	Pyridoxal-5-Phosphate /	DF143	59.2	45.6 - 72.8	4.54	U/L
Alanine aminotransferase	Lactatdehydrogenase	ALTI	0.987	0.760 - 1.21	0.076	µkat/L
<b>AST/GOT</b>	Pyridoxal-5-Phosphate /	DF41A	34.3	26.4 - 42.2	2.63	U/L
Aspartate aminotransferase	Malatdehydrogenase	AST	0.572	0.441 - 0.704	0.044	µkat/L
<b>AMY</b>	CNPG3	DF17A	72.8	58.2 - 87.4	4.85	U/L
Amylase		AMY	1.21	0.971 - 1.46	0.081	µkat/L
<b>BUN</b>	Urease, Glutamatdehydrogenase	DF21	16.0	12.5 - 19.5	1.17	mg/dL
Urea-N		BUN	5.72	4.46 - 6.98	0.419	mmol/L
<b>DBIL</b>	Diazotized sulfanil acide	DF125	0.511	0.378 - 0.644	0.044	mg/dL
Direct Bilirubin		DBi	8.74	6.47 - 11.0	0.757	µmol/L
<b>TBIL</b>	Diazotized sulfanil acide	DF167	1.43	1.06 - 1.80	0.124	mg/dL
Total Bilirubin		TBi	24.4	18.1 - 30.7	2.11	µmol/L
<b>CA</b>	O-Cresophtalein complex	DF23A	2.12	1.88 - 2.35	0.078	mmol/L
Calcium		CA	8.46	7.53 - 9.39	0.310	mg/dL
<b>CL</b>	Multisensor, indirect potentiometric	S600	96.7	88.0 - 105	2.90	mmol/L
Chloride		CL	343	312 - 374	10.3	mg/dL
<b>CHOL</b>	CHOD-PAP	DF27	123	106 - 140	5.74	mg/dL
Cholesterol		CHOL	3.18	2.74 - 3.63	0.149	mmol/L
<b>CK</b>	Creatinphosphate / ADP /	DF38	144	115 - 173	9.59	U/L
Creatine kinase	G6-Phosphat Dehydrogenase	CK	2.40	1.92 - 2.88	0.160	µkat/L
<b>CKMB</b>	Immunoinhibition of CK-M	DF32	37.3	29.9 - 44.8	2.49	U/L
Creatine kinase		MBi	0.622	0.498 - 0.747	0.041	µkat/L
<b>CREA</b>	Alkaline Picrate, Jaffe	DF33B	1.36	1.06 - 1.66	0.100	mg/dL
Creatinine		CRE2	120	93.6 - 146	8.80	µmol/L
<b>GGT</b>	GCNA with Glycyllycin	DF45A	37.9	29.5 - 46.2	2.78	U/L
γ-Glutamyltransferase		GGT	0.631	0.492 - 0.770	0.046	µkat/L
<b>GLUC</b>	Hexokinase/G6-PDH	DF40	86.3	72.5 - 100	4.60	mg/dL
Glucose		GLU	4.79	4.02 - 5.55	0.255	mmol/L
<b>HDLC</b>	Cholesterol oxidase / esterase	DF48B	40.0	34.4 - 45.6	1.87	mg/dL
HDL-Cholesterol		AHDL	1.03	0.889 - 1.18	0.048	mmol/L
<b>FE</b>	Ferene	DF85	73.1	62.9 - 83.4	3.41	µg/dL
Iron		IRON	13.1	11.3 - 14.9	0.611	µmol/L
<b>LDH</b>	Lactate / pyruvate	DF54	133	109 - 157	7.99	U/L
Lactate dehydrogenase		LDi	2.22	1.82 - 2.62	0.133	µkat/L
<b>LDLC</b>	Cholesterol esterase / oxidase	DF131	73.5	63.2 - 83.8	3.43	mg/dL
LDL-Cholesterol		ALDL	1.90	1.64 - 2.17	0.089	mmol/L
<b>LPS</b>	Colorimetric Glycerin derivat	DF56	265	212 - 318	17.7	U/L
Lipase		LIPL	4.41	3.53 - 5.30	0.294	µkat/L
<b>MG</b>	Methylthymol blue-complex	DF57	0.724	0.608 - 0.840	0.039	mmol/L
Magnesium		MG	1.76	1.48 - 2.04	0.094	mg/dL

# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

**SIEMENS DIMENSION ExL/RxL/Expand**  
Siemens reagents



Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>PO3</b>	Molybdate UV	DF61A	2.80	2.30 - 3.30	0.168	mg/dL
Phosphorus		PHOS	0.904	0.741 - 1.07	0.054	mmol/L
<b>K</b>	Multisensor, indirect potentiometric	S600	3.93	3.58 - 4.29	0.118	mmol/L
Potassium		K	15.4	14.0 - 16.8	0.461	mg/dL
<b>Na</b>	Multisensor, indirect potentiometric	S600	133	125 - 141	2.66	mmol/L
Sodium		NA	305	287 - 324	6.11	mg/dL
<b>TP</b>	Biuret	DF73	5.80	5.16 - 6.44	0.213	g/dL
Total Protein		TP	58.0	51.6 - 64.4	2.13	g/L
<b>TRIG</b>	GPO-PAP	DF69A	84.5	69.3 - 99.7	5.07	mg/dL
Triglycerides		TGL	0.951	0.780 - 1.12	0.057	mmol/L
<b>IBCT</b>	Ferene	DF84	270	216 - 324	18.0	µg/dL
Total Iron Binding Capacity		IBCT	48.3	38.6 - 58.0	3.22	µmol/L
<b>UREA</b>	Urease, Glutamatdehydrogenase	DF21	34.3	26.8 - 41.9	2.52	mg/dL
Urea		URBA	5.72	4.46 - 6.98	0.419	mmol/L
<b>UA</b>	Uricase/Allantoin	DF77	5.02	4.32 - 5.72	0.234	mg/dL
Uric Acid		URCA	299	257 - 340	13.9	µmol/L




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# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

### PENTRA C200/C400

Horiba reagents



Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>ALB</b>	Bromcresol green	A11A01664	3.50	2.69 - 4.30	0.268	g/dL
Albumin		ALB	35.0	26.9 - 43.0	2.68	g/L
<b>AP</b>	IFCC AMP buffer	A11A01626	83.4	62.5 - 104	6.95	U/L
Alkaline phosphatase		ALP_R	1.39	1.04 - 1.74	0.116	µkat/L
<b>ALT/GPT</b>	Modified IFCC	A11A01627	59.7	46.0 - 73.4	4.58	U/L
Alanine aminotransferase		ALT	0.995	0.766 - 1.22	0.076	µkat/L
<b>AST/GOT</b>	Modified IFCC	A11A01629	43.4	33.4 - 53.4	3.33	U/L
Aspartate aminotransferase		AST	0.723	0.557 - 0.889	0.055	µkat/L
<b>AMY</b>	EPS G-7	A11A01628	79.6	63.7 - 95.5	5.31	U/L
Amylase		AMY	1.33	1.06 - 1.59	0.088	µkat/L
<b>DBIL</b>	DCA	A11A01636	0.795	0.588 - 1.00	0.069	mg/dL
Direct Bilirubin		DBIL	13.6	10.1 - 17.1	1.18	µmol/L
<b>TBIL</b>	DCA	A11A01639	1.81	1.34 - 2.28	0.157	mg/dL
Total Bilirubin		TBIL	31.0	22.9 - 39.1	2.69	µmol/L
<b>CA</b>	Arsenazo	A11A01633	2.11	1.88 - 2.34	0.077	mmol/L
Calcium		CA_AS2	8.44	7.51 - 9.37	0.309	mg/dL
<b>CHOL</b>	CHOD-PAP	A11A01634	152	131 - 173	7.09	mg/dL
Cholesterol		CHOL	3.93	3.38 - 4.48	0.183	mmol/L
<b>CK</b>	N Actylcysteine IFCC/SFBC/DGKC	A11A01632	147	118 - 177	9.81	U/L
Creatine kinase		CK	2.45	1.96 - 2.94	0.164	µkat/L
<b>CKMB</b>	NAC - Immunoinhibition DGKC/IFCC	A11A01643	21.6	17.3 - 25.9	1.44	U/L
Creatine kinase		CKMB	0.360	0.288 - 0.432	0.024	µkat/L
<b>CREA</b>	Alkaline picrate, Jaffe	A11A01933	1.35	1.05 - 1.65	0.099	mg/dL
Creatinine		CREA3	119	93.1 - 146	8.75	µmol/L
<b>GGT</b>	Szasz	A11A01630	32.2	25.1 - 39.3	2.36	U/L
γ-Glutamyltransferase		GGT	0.536	0.418 - 0.654	0.039	µkat/L
<b>GLUC</b>	Oxidase, GOD-POD Trinder	A11A01668	82.9	69.6 - 96.1	4.42	mg/dL
Glucose		GLU_P	4.60	3.86 - 5.33	0.245	mmol/L
<b>HDL-C</b>	Direct, without precipitation	A11A01636	46.0	39.6 - 52.5	2.15	mg/dL
HDL-Cholesterol		CHOL_HDL	1.19	1.02 - 1.36	0.056	mmol/L
<b>FE</b>	Ferene	A11A01637	69.9	60.1 - 79.7	3.26	µg/dL
Iron		IRON	12.5	10.8 - 14.3	0.584	µmol/L
<b>LDH</b>	PL DGKC	A11A01824	249	204 - 294	15.0	U/L
Lactate dehydrogenase		LDH	4.15	3.41 - 4.90	0.249	µkat/L
<b>LDL-C</b>	Direct, without precipitation	A11A01638	80.6	69.3 - 91.9	3.76	mg/dL
LDL-Cholesterol		CHOL_LDL	2.08	1.79 - 2.38	0.097	mmol/L
<b>LPS</b>	Enzymatic colorimetric	A11A01631	51.5	41.2 - 61.9	3.44	U/L
Lipase		LIP	0.859	0.687 - 1.03	0.057	µkat/L
<b>MG</b>	Xylidyl blue	A11A01646	0.765	0.643 - 0.887	0.041	mmol/L
Magnesium		MG	1.86	1.56 - 2.16	0.099	mg/dL
<b>PO3</b>	Molybdate UV	A11A01665	3.12	2.56 - 3.69	0.187	mg/dL
Phosphorus		PHOS	1.01	0.827 - 1.19	0.061	mmol/L
<b>TP</b>	Biuret	A11A01933	5.34	4.76 - 5.93	0.196	g/dL
Total Protein		TP3	53.4	47.6 - 59.3	1.96	g/L
<b>TRIG</b>	GPO-PAP	A11A01640	83.6	68.5 - 98.6	5.01	mg/dL
Triglycerides		TRIG	0.941	0.772 - 1.11	0.056	mmol/L
<b>UREA</b>	Urease with GLDH	A11A01641	32.4	25.2 - 39.5	2.37	mg/dL
Urea		UREA	5.39	4.20 - 6.57	0.395	mmol/L
<b>UA</b>	Uricase	A11A01670	4.72	4.06 - 5.38	0.220	mg/dL
Uric Acid		UA	281	242 - 320	13.1	µmol/L




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# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

### SIEMENS ATELLICA SOLUTION

### SIEMENS ATELLICA DIRECT LOAD CH930



Siemens reagents

Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2


Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit	
<b>ALB</b>	Bromcresol green	11097590	3.70	2.85 - 4.55	0.284	g/dL	
Albumin		ALB	37.0	28.5 - 45.5	2.84	g/L	
	Bromcresol purple	11097530	2.92	2.25 - 3.59	0.224	g/dL	
		ALBP	29.2	22.5 - 35.9	2.24	g/L	
<b>AP</b>	IFCC	11097600	85.5	64.1 - 107	7.12	U/L	
Alkaline phosphatase		ALP_2c	1.42	1.07 - 1.78	0.119	µkat/L	
	IFCC, with pyridoxal phosphate	11097638	60.7	46.7 - 74.6	4.65	U/L	
<b>ALT/GPT</b>	Alanine aminotransferase	ALTPLc	1.01	0.779 - 1.24	0.078	µkat/L	
		modified IFCC 37°C	11097605	60.8	46.8 - 74.8	4.66	U/L
	without pyridoxal phosphate	ALT	1.01	0.781 - 1.25	0.078	µkat/L	
<b>AST/GOT</b>	Aspartate aminotransferase	IFCC, with pyridoxal phosphate	11097639	35.6	27.4 - 43.8	2.73	U/L
		ASTPLc	0.593	0.457 - 0.730	0.045	µkat/L	
	modified IFCC 37°C	11097607	45.0	34.7 - 55.4	3.45	U/L	
	without pyridoxal phosphate	ASTPLc	0.750	0.578 - 0.923	0.058	µkat/L	
<b>AMY</b>	Ethylidene Blocked-pNPG7	11097603	45.0	36.0 - 54.0	3.00	U/L	
Amylase		AMYLASe	0.750	0.600 - 0.900	0.050	µkat/L	
<b>BUN</b>	Urease with GLDH	11097593	17.3	13.5 - 21.2	1.27	mg/dL	
Urea-N		UN_c	6.18	4.82 - 7.54	0.453	mmol/L	
	Vanadate oxidation	11097532	0.803	0.594 - 1.01	0.070	mg/dL	
<b>DBIL</b>		DBIL_2	13.7	10.2 - 17.3	1.19	µmol/L	
Direct Bilirubin	Vanadate oxidation	11097531	1.72	1.28 - 2.17	0.149	mg/dL	
<b>TBIL</b>		TBIL_2	29.5	21.8 - 37.2	2.56	µmol/L	
Total Bilirubin		11097644	2.16	1.92 - 2.40	0.079	mmol/L	
<b>CA</b>	Arsenazo	CA_2	8.63	7.68 - 9.58	0.317	mg/dL	
Calcium	Indirect ISE	11099315	102	93.1 - 112	3.07	mmol/L	
Chloride		IMT CL	363	330 - 396	10.9	mg/dL	
	CHOD-PAP	11097609	143	123 - 163	6.66	mg/dL	
<b>CHOL</b>		CHOL_2	3.69	3.17 - 4.21	0.172	mmol/L	
Cholesterol	Enzymatic	11097640	139	112 - 167	9.30	U/L	
<b>CK</b>		CK_L	2.32	1.86 - 2.79	0.155	µkat/L	
Creatine kinase	Alkaline picrate, Jaffe	11097596	1.30	1.01 - 1.59	0.095	mg/dL	
<b>CREA</b>	Creatinine	Kinetic with blank rate correction	CREA_2	115	89.6 - 140	8.42	µmol/L
		Enzymatic	11097533	1.29	1.00 - 1.57	0.094	mg/dL
		ECRE_2	114	88.7 - 139	8.34	µmol/L	
<b>GGT</b>	Modified IFCC	11097597	33.5	26.1 - 40.8	2.45	U/L	
γ-Glutamyltransferase		GGT	0.558	0.435 - 0.680	0.041	µkat/L	
	Hexokinase	11097592	83.2	69.9 - 96.5	4.44	mg/dL	
<b>GLUC</b>		GLUH_3	4.62	3.88 - 5.35	0.246	mmol/L	
Glucose	Elimination / catalase	11097630	36.8	31.7 - 42.0	1.72	mg/dL	
<b>HDLC</b>		D-HDL	0.952	0.819 - 1.09	0.044	mmol/L	
HDL-Cholesterol	Ferrozine	11097601	77.1	66.3 - 87.8	3.60	µg/dL	
<b>FE</b>		IRON_2	13.8	11.9 - 15.7	0.644	µmol/L	
Iron	Lactate / NAD	11097594	139	114 - 164	8.33	U/L	
<b>LDH</b>		LDLP	2.31	1.90 - 2.73	0.139	µkat/L	
Lactate dehydrogenase							

# DiaSera Level 1

## Chemistry Control

**LOT** 291500

Cat. No. 15140-01

 2023-01-31

### SIEMENS ATELLICA SOLUTION

### SIEMENS ATELLICA DIRECT LOAD CH930



Siemens reagents

Updated sheets: <https://www.diaserve.de/en/value-sheet>

Value sheet version: 2

Short Name / Analyte	Method	Reagent ID	Value	Range	1 SD	Unit
<b>LDLC</b>	Elimination / catalase	11097632	78.0	67.1 - 88.9	3.64	mg/dL
LDL-Cholesterol		DLDL	2.02	1.74 - 2.30	0.094	mmol/L
<b>LPS</b>	Colorimetric rate	11097606	58.3	46.7 - 70.0	3.89	U/L
Lipase		LIP	0.972	0.778 - 1.17	0.065	µkat/L
<b>MG</b>	Xylidyl blue	11097612	0.705	0.592 - 0.818	0.038	mmol/L
Magnesium		MG	1.71	1.44 - 1.99	0.091	mg/dL
<b>PO3</b>	Phosphomolybdate	11097611	3.17	2.60 - 3.74	0.190	mg/dL
Phosphorus		IP	1.02	0.839 - 1.21	0.061	mmol/L
<b>K</b>	Indirect ISE	11099315	3.86	3.51 - 4.20	0.116	mmol/L
Potassium		IMT K	15.1	13.7 - 16.4	0.452	mg/dL
<b>Na</b>	Indirect ISE	11099315	132	124 - 140	2.64	mmol/L
Sodium		IMT NA	303	285 - 322	6.07	mg/dL
<b>TP</b>	Biuret	11097604	5.24	4.67 - 5.82	0.192	g/dL
Total Protein		TP	52.4	46.7 - 58.2	1.92	g/L
<b>TRIG</b>	GPO	11097591	93.3	76.5 - 110	5.60	mg/dL
Triglycerides		TRIG	1.05	0.862 - 1.24	0.063	mmol/L
<b>IBCT</b>	Sequential release and uptake of iron	11097601	277	222 - 333	18.5	µg/dL
Total Iron Binding Capacity		TIBC	49.7	39.7 - 59.6	3.31	µmol/L
<b>UREA</b>	Urease with GLDH	11097593	37.1	29.0 - 45.3	2.72	mg/dL
Urea		UN_c	6.18	4.82 - 7.54	0.453	mmol/L
<b>UA</b>	Uricase/Peroxidase	11097608	5.19	4.47 - 5.92	0.242	mg/dL
Uric Acid		UA	309	266 - 352	14.4	µmol/L



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