

HUMAN MULTISERA NORMAL

LOT N° 19082 EXP 2023-09

SUBSTRATOS / SUBSTRATES

COMPONENTE COMPONENT	VALOR TARGET	RANGO RANGE	Analytical uncertainty		UNIDAD UNIT	MÉTODO METHOD
			1 SD	2 SD		
Albúmina <i>Albumin</i>	38.9 3.89	32.9 – 44.9 3.29 – 4.49	3.0 0.30	6.0 0.60	g/L g/dL	Colorimetric method Bromocresol Green (BCG)
Bilirubina Directa <i>Direct Bilirubin</i>	10.6	8.42 – 12.8	1.09	2.18	µmol/L	Colorimetric method <u>with sample blank</u> Modified Jendrassik & Grof
	0.62	0.49 – 0.75	0.06	0.13	mg/dL	
	8.55	6.60 – 10.5	0.97	1.95	µmol/L	Colorimetric method <u>without sample blank</u> Modified Jendrassik & Grof
	0.50	0.39 – 0.61	0.06	0.11	mg/dL	
	22.7	17.9 – 27.6	2.43	4.87	µmol/L	DIRECT
Bilirubina Total <i>Total Bilirubin</i>	1.33	1.05 – 1.61	0.14	0.28	mg/dL	DPD Colorimetric method
	29.4	23.5 – 35.4	2.97	5.94	µmol/L	Colorimetric method <u>with sample blank</u> Modified Jendrassik & Grof
	1.72	1.37 – 2.07	0.17	0.35	mg/dL	
	23.6	18.5 – 28.6	2.52	5.05	µmol/L	Colorimetric method <u>without sample blank</u> Modified Jendrassik & Grof
Calcio OCC <i>Calcium OCC</i>	1.38	1.08 – 1.68	0.15	0.30	mg/dL	
	2.18	1.96 – 2.39	0.11	0.22	mmol/L	Cresolphthalein complexone OC
Calcio Arsenazo <i>Calcium Arsenazo</i>	8.70	7.83 – 9.60	0.44	0.87	mg/dL	
	2.18	1.96 – 2.39	0.11	0.22	mmol/L	Colorimetric , Arsenazo III
Cloruros <i>Chloride</i>	8.70	7.83 – 9.60	0.44	0.87	mg/dL	
	93.0	85.6 – 100	3.72	7.44	mmol/L	Colorimetric method
Colesterol total <i>Total Cholesterol</i>	4.20	3.65 – 4.74	0.27	0.55	mmol/L	Enzymatic colorimetric method Cholesterol Oxidase
	162	141 – 183	10.5	21.1	mg/dL	
Creatinina <i>Creatinine</i>	122	97.3 – 147	12.3	24.6	µmol/L	Kinetic colorimetric method. Creatinine Enzymatic
	1.38	1.10 – 1.66	0.14	0.28	mg/dL	
Fósforo inorgánico <i>Phosphorus inorganic</i>	1.37	1.17 – 1.58	0.10	0.21	mmol/L	Phosphomolybdate UV method / Colorimetric method
	4.25	3.61 – 4.89	0.32	0.64	mg/dL	
Glucosa <i>Glucose</i>	6.16	5.24 – 7.08	0.46	0.92	mmol/L	Glucose Oxidase. Endpoint. Enzymatic colorimetric method.
	111	94.4 – 128	8.33	16.7	mg/dL	
Hierro Ferrozine <i>Iron Ferrozine</i>	18.8	15.4 – 22.2	1.69	3.38	µmol/L	Colorimetric method. Endpoint.
	105	86.1 – 124	9.45	18.9	µg/dL	
Hierro Cromazurol <i>Iron Cromazurol</i>	20.6	16.9 – 24.3	1.85	3.71	µmol/L	Colorimetric method. Endpoint.
	115	94.3 – 136	10.4	20.7	µg/dL	
Magnesio MR <i>Magnesium MR</i>	0.96	0.78 – 1.13	0.09	0.17	mmol/L	Colorimetric method Calmagita
	2.32	1.90 – 2.74	0.21	0.42	mg/dL	
Magnesio BR <i>Magnesium BR</i>	1.03	0.90 – 1.16	0.07	0.13	mmol/L	Colorimetric method Calmagita
	2.51	2.19 – 2.83	0.16	0.32	mg/dL	
Potasio <i>Potassium</i>	4.54	4.09 – 4.99	0.23	0.45	mmol/L	ISE method–direct
	4.27	3.84 – 4.70	0.21	0.43	mmol/L	ISE method–indirect
Potasio <i>Potassium</i>	4.70	4.22 – 5.18	0.24	0.48	mmol/L	Colorimetric method KINETIC

* 2021-10-28 – Reassignment / Reasignación



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LOT Nº 19082 EXP 2023-09

COMPONENTE COMPONENT	VALOR TARGET	RANGO RANGE	Analytical uncertainty		UNIDAD UNIT	MÉTODO METHOD
			1 SD	2 SD		
Proteínas Totales <i>Total Protein</i>	60.5 6.05	48.4 - 72.6 4.84 - 7.26	6.05 0.61	12.1 1.21	g/L g/dL	Colorimetric method Biuret endpoint
Sodio <i>Sodium</i>	148 143	133 - 163 129 - 157	7.40 7.15	14.8 14.3	mmol/L mmol/L	ISE method-direct ISE method-indirect
Sodio <i>Sodium</i>	143	132 - 154	5.72	11.4	mmol/L	Colorimetric method KINETIC
TIBC	36.0 201	28.4 - 43.5 159 - 243	3.78 21.1	7.56 42.2	µmol/L µg/dL	Colorimetric method Saturation
Triglicéridos <i>Triglycerides</i>	1.07 95.0	0.90 - 1.25 79.8 - 110	0.09 7.60	0.17 15.2	mmol/L mg/dL	Enzymatic colorimetric method Lipase/GOD-PAP no correction
Urea <i>Urea</i>	7.16 43.0	6.09 - 8.23 36.6 - 49.5	0.54 3.23	1.07 6.45	mmol/L mg/dL	Enzymatic colorimetric. Berthelot UV Enzymatic method
Ácido úrico <i>Uric acid</i>	361 6.06	313 - 408 5.26 - 6.86	23.8 0.40	47.6 0.80	µmol/L mg/dL	Enzymatic colorimetric method Uricase / Peroxidase

ENZIMAS / ENZYMES

COMPONENTE COMPONENT	VALOR TARGET	RANGO RANGE	Analytical uncertainty		UNIDAD UNIT	MÉTODO METHOD
			1 SD	2 SD		
Fosfatasa ácida <i>Acid phosphatase</i>	27.2 30.1	15.7 - 38.7 20.2 - 40.0	5.74 4.94	11.5 9.90	U/L U/L	Prostatic. 1-Naphthyl Phosphatase Kinetic 37°C Total. 1-Naphthyl Phosphatase Kinetic 37°C With Pentanediol Activation. Colorimetric method
Fosfatasa alcalina * <i>Alkaline phosphatase *</i>	223 174 143	206 - 240 161 - 187 132 - 154	16.9 13.2 10.9	33.9 26.5 21.7	U/L U/L	Diethanolamine buffer DEA. 37°C. Diethanolamine buffer DEA. 30°C. Diethanolamine buffer DEA. 25°C. Colorimetric
ALT/GPT	38.0 28.1 21.4	30.4 - 45.6 22.5 - 33.7 17.1 - 25.7	3.80 2.81 2.14	7.60 5.62 4.29	U/L U/L	TRIS no P5PIFCC/sfbc 37°C. UV TRIS no P5PIFCC/sfbc 30°C. UV TRIS no P5PIFCC/sfbc 25°C. UV
α-Amilasa <i>α-Amylase</i>	100	84.6 - 115	7.70	15.4	U/L	Total. R. Liquid stable pNPG 37°C
AST/GOT	37.0 25.2 17.8	29.5 - 44.5 20.0 - 30.3 14.1 - 21.4	3.77 2.57 1.81	7.55 5.13 3.62	U/L U/L	TRIS no P5PIFCC/sfbc 37°C. UV TRIS no P5PIFCC/sfbc 30°C. UV TRIS no P5PIFCC/sfbc 25°C. UV
Colinesterasa <i>Cholinesterase</i>	5510	4400 - 6610	551	1100	U/L	Enzymatic colorimetric Butyrylthiocholin (37°C)
CK Total	214 134 91	175 - 253 110 - 158 75 - 108	19.3 12.0 8.22	38.5 24.1 16.4	U/L	CK-NAC substrate start (dgkc) 37°C. CK-NAC substrate start (dgkc) 30°C. CK-NAC substrate start (dgkc) 25°C. UV enzymatic
GGT <i>GGT</i>	50.0 39.3 31.3	42.5 - 57.5 33.4 - 45.2 26.6 - 35.9	3.75 2.95 2.34	7.50 5.90 4.69	U/L	G Glutamyl-3-Carbo-4-nitroanilide 37°C. G Glutamyl-3-Carbo-4-nitroanilide 30°C. G Glutamyl-3-Carbo-4-nitroanilide 25°C. Colorimetric enzymatic method
LDH <i>LDH</i>	390 282 198	332 - 449 240 - 324 168 - 227	29.3 21.1 14.8	58.5 42.3 29.7	U/L	Pyruvate→Lactate SFBC 37°C Pyruvate→Lactate SFBC 30°C Pyruvate→Lactate SFBC 25°C
Lipasa <i>Lipase</i>	41.9	33.5 - 50.3	4.19	8.38	U/L	Enzymatic colorimetric 37°C

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QUALITY SYSTEM CERTIFIED
ISO 9001 ISO 13485



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