

# Topkon N

6020010KC 2 x 5 mL  
6020020KC 4 x 5 mL  
6020030KC 6 x 5 mL

## Lote 10778018144

Validade / Validez - 08/2020

Soro controle normal / Suero de control normal

Índice de parâmetros / Índice de parametros

English Constituent	Português Componente	Español Componento
Albumin	Albumina	Albumina
Alkaline Phosphatase	Fosfatase alcalina	Fosfatasa alcalina
ALT/GPT	ALT/GPT	ALT/GPT
AST/GOT	AST/GOT	AST/GOT
a-Amylase	a-Amilase	a-Amilasa
Pancreatic amylase	Amilase pancreática	Amilasa pancreática
Apolipoprotein A	Apolipoproteína A	Apolipoproteína A
Apolipoprotein B	Apolipoproteína B	Apolipoproteína B
Bile Acids	Ácidos Biliares	Acidos Biliares
Direct Bilirubin	Bilirrubina Direta	Bilirrubina directa
Bilirubin total	Bilirrubina total	Bilirrubina total
Calcium	Cálcio	Calcio
Chloride	Cloreto	Cloruro
Cholinesterase	Colinesterase	Colinesterasa
Cholesterol	Colesterol	Colesterol
CK	CK	CK
CK-MB	CK-MB	CK-MB
Copper	Cobre	Cobre
Creatinine	Creatinina	Creatinina
g-GT	g-GT	g-GT
GLDH	GLDH	GLDH
Glucose	Glicose	Glucosa
a-HBDH	a-HBDH	a-HBDH
b-Hydroxybutyric acid	Ácido-hidroxitubúrico	Ácido 2-hidroxitubúrico
IgA	IgA	IgA
IgE	IgE	IgE
IgG	IgG	IgG
IgM	IgM	IgM
Iron	Ferro	Hierro
Iron UIBC (Iron-Binding Capacity, Unsaturated)	UIBC Capacidade de ligação do ferro não saturado	UIBC Capacidad insaturada de fijación de hierro
Lactate (Lactic Acid)	Lactato (Ácido láctico)	Lactato (ácido láctico)
LDH-L	LDH-L	LDH-L
LDH-P	LDH-P	LDH-P
Lipase	Lipase	Lipasa
Lithium	Lítio	Litio
Magnesium	Magnésio	Magnesio
Phospholipids	Fosfolípidos	Fosfolípidos
Inorganic phosphate	Fósforo	Fósforo inorgánico
Potassium	Potássio	Potasio
Sodium	Sódio	Sodio
Total protein	Proteína Total	Total proteínas
Transferrin	Transferrina	Transferrina
Triglycerides	Triglicérides	Triglicéridos
Urea	Uréia	Urea
Uric Acid	Ácido úrico	Ácido úrico
Zinc	Zinco	Zinc

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Albumin	Kovalent / DiaSys	Bromocresol green	g/dL	3,62	2,79 - 4,45	g/L	36,2	27,9 - 44,5
		Bromocresol green Respons	g/dL	3,62	2,79 - 4,45	g/L	36,2	27,9 - 44,5
Alkaline phosphatase	Kovalent / DiaSys	IFCC 37 °C	U/L	77,5	58,1 - 96,9	µkat/L	1,29	0,969 - 1,62
		DGKC 1970 37 °C	U/L	124	93,3 - 156	µkat/L	2,07	1,56 - 2,59
		IFCC 37 °C Respons	U/L	77,5	58,1 - 96,9	µkat/L	1,29	0,969 - 1,62
ALT/GPT	Kovalent / DiaSys	IFCC, with P5P 37 °C	U/L	57,9	44,6 - 71,2	µkat/L	0,965	0,743 - 1,19
		without P5P 37 °C	U/L	57,5	44,3 - 70,8	µkat/L	0,959	0,738 - 1,18
		IFCC, with P5P 37 °C Respons	U/L	57,9	44,6 - 71,2	µkat/L	0,965	0,743 - 1,19
		without P5P 37 °C Respons	U/L	57,5	44,3 - 70,8	µkat/L	0,959	0,738 - 1,18
AST/GOT	Kovalent / DiaSys	IFCC, with P5P 37 °C	U/L	54,9	42,3 - 67,5	µkat/L	0,915	0,704 - 1,13
		without P5P 37 °C	U/L	54,5	42,0 - 67,1	µkat/L	0,909	0,700 - 1,12
		IFCC, with P5P 37 °C Respons	U/L	54,9	42,3 - 67,5	µkat/L	0,915	0,704 - 1,13
		without P5P 37 °C Respons	U/L	54,5	42,0 - 67,1	µkat/L	0,909	0,700 - 1,12
Amylase	Kovalent / DiaSys	EPS G-7	U/L	64,7	51,8 - 77,6	µkat/L	1,08	0,863 - 1,29
		EPS G-7 Respons	U/L	64,7	51,8 - 77,6	µkat/L	1,08	0,863 - 1,29
Pancreatic amylase	DiaSys	EPS G-7	U/L	31,1	24,9 - 37,3	µkat/L	0,518	0,415 - 0,622
		EPS G-7 Respons	U/L	31,1	24,9 - 37,3	µkat/L	0,518	0,415 - 0,622
Apolipoprotein A1	DiaSys	Immunoturbidimetric	mg/dL	137	110 - 164	g/L	1,37	1,10 - 1,64
		Immunoturbidimetric Respons	mg/dL	137	110 - 164	g/L	1,37	1,10 - 1,64
Apolipoprotein B	DiaSys	Immunoturbidimetric	mg/dL	69,7	55,8 - 83,7	g/L	0,697	0,558 - 0,837
		Immunoturbidimetric Respons	mg/dL	69,7	55,8 - 83,7	g/L	0,697	0,558 - 0,837
Bile Acids	DiaSys	Colorimetric endpoint	µmol/L	11,6	9,31 - 14,0	µmol/L	11,6	9,31 - 14,0
Direct Bilirubin	Kovalent / DiaSys	DCA	mg/dL	0,814	0,602 - 1,03	µmol/L	13,9	10,3 - 17,5
		Jendrassik Grof	mg/dL	0,733	0,542 - 0,924	µmol/L	12,5	9,28 - 15,8
		DCA Respons	mg/dL	0,814	0,602 - 1,03	µmol/L	13,9	10,3 - 17,5
Bilirubin total	Kovalent / Diasys	DCA	mg/dL	1,56	1,15 - 1,97	µmol/L	26,7	19,7 - 33,6
		Jendrassik-Grof	mg/dL	1,73	1,28 - 2,18	µmol/L	29,6	21,9 - 37,3
		DCA Respons	mg/dL	1,56	1,15 - 1,97	µmol/L	26,7	19,7 - 33,6
Calcium	Kovalent / DiaSys	Arsenazo	mg/dL	9,14	8,13 - 10,1	mmol/L	2,28	2,03 - 2,53
		Phosphonazo	mg/dL	9,27	8,25 - 10,3	mmol/L	2,31	2,06 - 2,57
		Phosphonazo Respons	mg/dL	9,27	8,25 - 10,3	mmol/L	2,31	2,06 - 2,57
Cooper	Kovalent		µg/dL	133,8	107,0 - 160,5	µmol/L	21,0	16,8 - 25,2
Chloride	DiaSys	Colorimetric	mmol/L	126	115 - 138	mg/dL	448	408 - 489
		Colorimetric Respons	mmol/L	126	115 - 138	mg/dL	448	408 - 489
		ISE direct Respons	mmol/L	122	111 - 132	mg/dL	431	393 - 470
Cholesterol	Kovalent / DiaSys	CHOD-PAP	mg/dL	153	132 - 175	mmol/L	3,96	3,41 - 4,52
		CHOD-PAP Respons	mg/dL	153	132 - 175	mmol/L	3,96	3,41 - 4,52
Cholinesterase	Kovalent / DiaSys	Butyrylthiocholin	U/L	6264	5136 - 7391	µkat/L	104	85,6 - 123
		Butyrylthiocholin method Respons	U/L	6264	5136 - 7391	µkat/L	104	85,6 - 123
CK	Kovalent / DiaSys	DGKC, IFCC 37 °C	U/L	149	119 - 178	µkat/L	2,48	1,98 - 2,97
		DGKC, IFCC 37 °C Respons	U/L	149	119 - 178	µkat/L	2,48	1,98 - 2,97
CK-MB	Kovalent / DiaSys	mAK, Immunological method, 37 °C	U/L	32,8	26,2 - 39,3	µkat/L	0,547	0,437 - 0,656
		mAK, Immunological method, 37 °C Respons	U/L	32,8	26,2 - 39,3	µkat/L	0,547	0,437 - 0,656

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Creatinine	Kovalent / DiaSys	Jaffe without compensation	mg/dL	1,59	1,24 - 1,94	µmol/L	141	110 - 171
		Jaffe with compensation	mg/dL	1,46	1,14 - 1,78	µmol/L	129	101 - 157
		Enzymatic PAP	mg/dL	1,46	1,14 - 1,78	µmol/L	129	101 - 157
		Jaffe without compensation Respons	mg/dL	1,59	1,24 - 1,94	µmol/L	141	110 - 171
		Jaffe with compensation Respons	mg/dL	1,46	1,14 - 1,78	µmol/L	129	101 - 157
		Enzymatic PAP Respons	mg/dL	1,46	1,14 - 1,78	µmol/L	129	101 - 157
GGT	Kovalent / DiaSys	IFCC, DGKC 1994 37 °C	U/L	31,1	24,3 - 37,9	µkat/L	0,518	0,404 - 0,632
		Szasz 37 °C	U/L	27,5	21,5 - 33,6	µkat/L	0,458	0,358 - 0,559
		IFCC, DGKC 1994 37 °C Respons	U/L	31,1	24,3 - 37,9	µkat/L	0,518	0,404 - 0,632
GLDH	DiaSys	DGKC 1970 37 °C	U/L	15,7	12,5 - 18,8	µkat/L	0,261	0,209 - 0,314
Glucose	Kovalent / DiaSys	GOD-PAP	mg/dL	93,0	78,1 - 108	mmol/L	5,17	4,34 - 5,99
		HK/G6P-DH	mg/dL	88,8	74,6 - 103	mmol/L	4,93	4,14 - 5,72
		Gluc-DH	mg/dL	89,2	74,9 - 103	mmol/L	4,95	4,16 - 5,74
		GOD-PAP Respons	mg/dL	93,0	78,1 - 108	mmol/L	5,17	4,34 - 5,99
		HK/G6P-DH Respons	mg/dL	88,8	74,6 - 103	mmol/L	4,93	4,14 - 5,72
HBDH	DiaSys	DGKC 37 °C	U/L	137	109 - 164	µkat/L	2,28	1,82 - 2,73
HDL-Cholesterol	Kovalent / DiaSys	Immunoinhibition	mg/dL	46,5	40,0 - 53,1	mmol/L	1,20	1,04 - 1,37
		Immunoinhibition Respons	mg/dL	46,5	40,0 - 53,1	mmol/L	1,20	1,04 - 1,37
Hydroxybutyrate	DiaSys	b-HBDH / Diaphorase 37 °C	mmol/L	0,298	0,238 - 0,358	mg/dL	3,10	2,48 - 3,72
		b-HBDH 37 °C	mmol/L	0,315	0,252 - 0,378	mg/dL	3,28	2,62 - 3,93
IgA	DiaSys	Immunoturbidimetric	mg/dL	189	144 - 234	g/L	1,89	1,44 - 2,34
	Diasys Respons	Immunoturbidimetric	mg/dL	189	144 - 234	g/L	1,89	1,44 - 2,34
IgE	DiaSys	Immunoturbidimetric	IU/mL	80,6	64,5 - 96,7	ng/mL	193	155 - 232
IgG	DiaSys	Immunoturbidimetric	mg/dL	867	694 - 1041	g/L	8,67	6,94 - 10,4
	Diasys Respons	Immunoturbidimetric	mg/dL	867	694 - 1041	g/L	8,67	6,94 - 10,4
IgM	DiaSys	Immunoturbidimetric	mg/dL	84,5	60,8 - 108	g/L	0,845	0,608 - 1,08
	Diasys Respons	Immunoturbidimetric	mg/dL	84,5	60,8 - 108	g/L	0,845	0,608 - 1,08
Iron	Kovalent / DiaSys	Ferene Respons	µg/dL	96,3	82,8 - 110	µmol/L	17,2	14,8 - 19,7
		Ferene	µg/dL	92,8	79,8 - 106	µmol/L	16,6	14,3 - 18,9
Lactate	Kovalent / DiaSys	LDH UV endpoint	mg/dL	12,6	9,97 - 15,3	mmol/L	1,40	1,11 - 1,69
		LDH UV endpoint Respons	mg/dL	12,6	9,97 - 15,3	mmol/L	1,40	1,11 - 1,69
LDH	Kovalent / DiaSys	IFCC, DGKC 1994 37°C	U/L	151	124 - 178	µkat/L	2,52	2,06 - 2,97
		IFCC, DGKC 1994 37°C Respons	U/L	151	124 - 178	µkat/L	2,52	2,06 - 2,97
		DGKC opt. 1970 37 °C	U/L	259	213 - 306	µkat/L	4,32	3,54 - 5,10
LDL-Cholesterol	DiaSys	Homogenous Select TruCal HDL/LDL	mg/dL	80,6	69,3 - 91,9	mmol/L	2,08	1,79 - 2,38
		Homogenous Select TruCal HDL/LDL Respons	mg/dL	83,0	71,4 - 94,6	mmol/L	2,15	1,85 - 2,45
		Homogenous Select TruCal Lipid	mg/dL	86,6	74,5 - 98,8	mmol/L	2,24	1,93 - 2,55
		Homogenous Select TruCal Lipid Respons	mg/dL	82,7	71,1 - 94,3	mmol/L	2,14	1,84 - 2,44
Lipase	Kovalent / DiaSys	Colorimetric, 37 °C	U/L	54,9	43,9 - 65,9	µkat/L	0,915	0,732 - 1,10
		Colorimetric, 37 °C Respons	U/L	54,9	43,9 - 65,9	µkat/L	0,915	0,732 - 1,10
Lithium	DiaSys	ISE direct Respons	mmol/L	1,00	0,860 - 1,14	mg/dL	0,695	0,597 - 0,791
Magnesium	Kovalent / DiaSys	Xylidyl blue method	mg/dL	2,07	1,74 - 2,40	mmol/L	0,851	0,715 - 0,987
		Xylidyl blue method Respons	mg/dL	2,07	1,74 - 2,40	mmol/L	0,851	0,715 - 0,987
Phospholipids	Diasys	Enzymatic	mg/dL	186	149 - 224	mmol/L	2,40	1,92 - 2,89

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Phosphorus	Kovalent / DiaSys	Molybdate UV, substrate start	mg/dL	3,29	2,70 - 3,88	mmol/L	1,06	0,871 - 1,25
		Molybdate UV, sample start	mg/dL	3,28	2,69 - 3,87	mmol/L	1,06	0,868 - 1,25
		Molybdate UV Respons	mg/dL	3,29	2,70 - 3,88	mmol/L	1,06	0,871 - 1,25
Potassium	DiaSys	Enzymatic	mmol/L	4,25	3,87 - 4,63	mg/dL	16,6	15,1 - 18,1
		ISE direct Respons	mmol/L	4,32	3,93 - 4,71	mg/dL	16,9	15,4 - 18,4
		Enzymatic Respons	mmol/L	4,25	3,87 - 4,63	mg/dL	16,6	15,1 - 18,1
Sodium	DiaSys	Enzymatic	mmol/L	131	123 - 139	mg/dL	301	283 - 320
		ISE direct Respons	mmol/L	139	131 - 148	mg/dL	320	300 - 339
		Colorimetric Respons	mmol/L	131	123 - 139	mg/dL	301	283 - 320
Total protein	Kovalent / DiaSys	Biuret without sample blank	g/dL	6,42	5,71 - 7,13	g/L	64,2	57,1 - 71,3
		Biuret with sample blank	g/dL	5,69	5,06 - 6,32	g/L	56,9	50,6 - 63,2
		Biuret with sample blank Respons	g/dL	5,69	5,06 - 6,32	g/L	56,9	50,6 - 63,2
Transferrin	DiaSys	Immunoturbidimetric	mg/dL	226	181 - 271	g/L	2,26	1,81 - 2,71
		Immunoturbidimetric Respons	mg/dL	226	181 - 271	g/L	2,26	1,81 - 2,71
Triglycerides	Kovalent / DiaSys	GPO-PAP	mg/dL	92,5	75,8 - 109	mmol/L	1,04	0,854 - 1,23
		GPO-PAP Respons	mg/dL	92,5	75,8 - 109	mmol/L	1,04	0,854 - 1,23
UIBC	Kovalent / DiaSys	Ferene	µg/dL	221	177 - 266	µmol/L	39,6	31,7 - 47,6
		Ferene Respons	µg/dL	221	177 - 266	µmol/L	39,6	31,7 - 47,6
Urea	Kovalent / DiaSys	Urease UV	mg/dL	41,2	32,2 - 50,3	mmol/L	6,86	5,35 - 8,37
		Colorimetric endpoint: Berthelot	mg/dL	39,3	30,7 - 47,9	mmol/L	6,54	5,10 - 7,98
		Urease UV Respons	mg/dL	41,2	32,2 - 50,3	mmol/L	6,86	5,35 - 8,37
Uric Acid	Kovalent / DiaSys	TBHBA	mg/dL	5,20	4,47 - 5,93	µmol/L	309	266 - 353
		TOOS	mg/dL	5,09	4,38 - 5,80	µmol/L	303	260 - 345
		TOOS Respons	mg/dL	5,09	4,38 - 5,80	µmol/L	303	260 - 345
Zinc	Kovalent		µg/dL	176,5	141,2 - 211,8	µmol/L	27,0	21,6 - 32,4

### Abreviações / Abreviatura

DGKC - Deutsche Gesellschaft für Klinische Chemie

IFCC - International Federation of Clinical Chemistry

NVCK - Nederlandse Vereniging voor Klinische Chemie

SCE - Scandinavian Committee of Enzymes

SEQC - Sociedad Espanola de Quimica Clinica

SFBC - Société Française de Biologie Clinique

### FABRICANTE

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