



# CLINICAL CHEMISTRY

## BIOQUÍMICA CLÍNICA

A central graphic featuring a large Erlenmeyer flask filled with blue liquid and emitting a stream of blue particles. The background is a light blue grid with various chemical and molecular motifs. On the left, a chemical reaction shows the hydration of 2-methyl-2-butene to 2-methyl-2-butanol at 250 units, with arrows indicating the mechanism. Below it is a skeletal structure of a branched alkane. On the right, a hexagonal lattice pattern is shown. At the bottom left, another reaction shows the conversion of a cyclic alkene to a cyclic alkane at 280°C, with arrows indicating the mechanism. At the bottom right, there are chemical structures for a phosphate group (CH3-PO3) and a nucleotide base (adenine). In the bottom right corner, there is an inset image of a white and blue box labeled 'SPINREACT' containing several small vials, and a group of larger brown vials.

## SUBSTRATES · SUSTRATOS

PRODUCT · PRODUCTO	METHOD · MÉTODO	SIZE · PRESENTACIÓN	REF. · CÓDIGO
ALBUMIN · ALBÚMINA	Bromocresol green colorimetric	2x250 mL	1001020
		1x1000 mL	1001022
		2x50 mL	1001023
AMMONIA · AMONIACO ▲	Enzymatic - UV	1x60 mL / 8x5 mL	1001410
BILIRUBIN T&D · BILIRRUBINA T y D	Jendrassik - Gröf. Colorimetric	1x150 mL	1001041
BILIRUBIN Total · BILIRRUBINA Total	DMSO - Colorimetric	2x150 mL	1001042
BILIRUBIN Direct · BILIRRUBINA Directa	DMSO - Colorimetric	2x150 mL	1001043
BILIRUBIN T&D · BILIRRUBINA T y D	DMSO - Colorimetric	2x150 mL	1001044
CARBON DIOXIDE · DIÓXIDO DE CARBONO	Enzymatic	2x50 mL	1001430
CITRIC ACID (URINE) · ÁCIDO CÍTRICO (ORINA)	Enzymatic	100 tests	1001032
CREATININE · CREATININA	Jaffé. Colorimetric-Kinetic	2x50 mL	1001110
		2x150 mL	1001111
		2x1000 mL	1001112
		4x250 mL	1001113
CREATININE · CREATININA	Trinder - Enzymatic	1x30 mL / 1x10 mL	1001115
		1x240 mL / 1x80 mL	1001117
FRUCTOSAMINE · FRUCTOSAMINA ●	NBT - Colorimetric	19x3 mL	1001158
GLUCOSE · GLUCOSA ▲	Hexokinase. Enzymatic-UV	10x20 mL	1001200
		10x50 mL	1001201
GLUCOSE · GLUCOSA ▲	GOD-POD. Trinder	4x125 mL	1001190
		4x250 mL	1001191
		10x50 mL	1001192
GLUCOSE · GLUCOSA	GOD-POD. Trinder	2x50 mL	41010
		2x250 mL	41011
		2x100 mL	41012
		1x1000 mL	41013
HAEMOGLOBIN · HEMOGLOBINA	Drabkin. Colorimetric	4x5 mL (50x)	1001230
HOMOCYSTEIN · HOMOCISTEÍNA	Enzymatic	1x30 mL / 1x5 mL	41057
LACTATE · LACTATO ▲	LO – POD. Enzymatic-Colorimetric	5x10 mL	1001330
OXALIC ACID · ÁCIDO OXÁLICO	Enzymatic	20 tests	1001034
		100 tests	1001035
TOTAL PROTEINS · PROTEÍNAS TOTALES	Biuret. Colorimetric	2x50 mL	1001290
		2x250 mL	1001291
URINE & CSF TOTAL PROTEINS · PROTEÍNAS TOTALES EN ORINA Y LCR	Red Pyrogallol. Colormetric	2x50 mL	1001024
		2x150 mL	1001025
UREA 37°	o-Phtalaldehyde. 37°C. Colorimetric	2x50 mL	1001323
		2x250 mL	1001325
		2x100 mL	1001326
UREA B ●	Berthelot - Enzymatic-Colorimetric	10x50 mL	1001329
		4x150 mL	1001331

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PRODUCT · PRODUCTO	METHOD · MÉTODO	SIZE · PRESENTACIÓN	REF. · CÓDIGO
UREA UV	Urease-GLDH. Kinetic	10x20 mL	1001332
		10x50 mL	1001333
UREA UV	Urease-GLDH. Kinetic. UV (2 Reagents)	1x40 mL / 1x10 mL	41040
		1x240 mL / 1x60 mL	41041
		1x100 mL / 1x25 mL	41042
		1x480 mL / 1x120 mL	41043
URIC ACID · ÁCIDO ÚRICO ▲	Uricase-POD. Enz-Color	10x20 mL	1001010
		10x50 mL	1001011
		4x125 mL	1001012
		4x250 mL	1001013
URIC ACID · ÁCIDO ÚRICO	Uricase-POD. Enz-Color (2 Reagents)	2x50 mL	41000
		2x250 mL	41001
		2x100 mL	41002
		2x1000 mL	41003

## ELECTROLYTES · ELECTROLITOS

PRODUCT · PRODUCTO	METHOD · MÉTODO	SIZE · PRESENTACIÓN	REF. · CÓDIGO
CALCIUM · CALCIO	o-Cresolphthalein. Colorimetric	2x150 mL	1001060
CALCIUM · CALCIO (v/v)	o-Cresolphthalein. Colorimetric	2x50 mL	1001062
		2x150 mL	1001061
CALCIUM · CALCIO	Arsenazo III. Color	3x50 mL	1001065
CHLORIDE · CLORURO	Thiocyanate-Hg. Color	2x150 mL	1001360
COPPER · COBRE	Color 3-5 Di Br-PAESA. Colorimetric	5x10 mL	1001080
IRON · HIERRO	Ferrozine. Colorimetric	4x50 mL	1001247
TIBC (Total Iron Binding Capacity)	Saturation-prec. Carbonate-Mg	100 Tests	1001241
MAGNESIUM · MAGNESIO	Xylidyl Blue. Color	2x50 mL	1001286
		2x150 mL	1001285
PHOSPHORUS · FÓSFORO	Phosphomolybdate. Colorimetric	2 x150 mL	1001150
PHOSPHORUS · FÓSFORO	Phosphomolybdate. UV	2x150 mL	1001155
POTASSIUM · POTASIO	TBP-Na Method. With precipitation	2x50 mL	1001390
POTASSIUM · POTASIO ▲	Phosphoenolpyruvate. Direct	3x20 mL / 3x9 mL	1001395
SODIUM · SODIO	Mg-Uranylacetate. With precipitation	1x60 mL	1001380
SODIUM · SODIO ▲	Beta-galactosidase. Direct	3x20 mL / 3x9 mL	1001385
ZINC	5 Br-PAPS - Colorimetric	5x10 mL	1001350

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## LIPIDS · LÍPIDOS

PRODUCT · PRODUCTO	METHOD · MÉTODO	SIZE · PRESENTACIÓN	REF. · CÓDIGO
CHOLESTEROL · COLESTEROL ▲	CHOD-POD. Enzymatic-Colorimetric	10x50 mL	1001090
		10x20 mL	1001091
		4x125 mL	1001092
		4x250 mL	1001093
CHOLESTEROL · COLESTEROL	CHOD-POD. Enzymatic-Colorimetric	1x1000 mL	41019
		2x50 mL	41020
		2x250 mL	41021
		2x100 mL	41022
HDL	Precipitant Reagent	4x5 mL (200 tests)	1001095
HDLc-D	Direct. Enzymatic-Colorimetric	1x60 mL / 1x20 mL	1001096
		1x30 mL / 1x10 mL	1001097
		1x240 mL / 1x80 mL	1001098
LDLc-D	Direct. Enzymatic-Colorimetric	1x30 mL / 1x10 mL	41023
PHOSPHOLIPIDS · FOSFOLÍPIDOS ▲	Trinder. Enzymatic-colorimetric	5x10 mL	1001140
TOTAL BILE ACIDS · ÁCIDOS BILIARES TOTALES	Enzymatic-Colorimetric	1x50 mL / 1x18 mL	1001030
TOTAL LIPIDS · LÍPIDOS TOT.	Phosphovainilline. Colorimetric	2x150 mL	1001270
TRIGLYCERIDES · TRIGLICÉRIDOS ▲	GPO-POD. Enz.-Color	5x10 mL	1001310
		10x20 mL	1001311
		10x50 mL	1001312
		4x125 mL	1001313
		4x250 mL	1001314
TRIGLYCERIDES · TRIGLICÉRIDOS	GPO-POD. Enz.-Color	1x50 mL	41030
		2x150 mL	41031
		1x100 mL	41032
		1x500 mL	41033
		1x1000 mL	41034

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## ENZYMES · ENZIMAS

PRODUCT · PRODUCTO	METHOD · MÉTODO	SIZE · PRESENTACIÓN	REF. · CÓDIGO
ACID PHOSPHATASE · FOSFATASA ÁCIDA ●	Hillmann. Kinetic - Colorimetric	18x2 mL	1001121
		10x15 mL	1001122
ADA (Adenosine Deaminase)	Colorimetric - Kinetic	1x40 mL / 1x20 mL	1001070
ALDOLASE · ALDOLASA ▲	Fructose-1, 6-diphosphate aldolase	5x20 mL / 2x1 mL	1001075
ALKALINE PHOSPHATASE · FOSFATASA ALCALINA ●	DGKC. Kinetic optimized	20x3 mL	1001130
		10x15 mL	1001131
		10x50 mL	1001132
ALKALINE PHOSPHATASE · FOSFATASA ALCALINA	DGKC. Kinetic optimized (2 Reagents)	1x60 mL / 1x15 mL	41240
		1x240 mL / 1x60 mL	41242
ALKALINE PHOSPHATASE · FOSFATASA ALCALINA	IFCC. Kinetic optimized (AMP buffer)	1x60 mL / 1x15 mL	41245
		1x240 mL / 1x60 mL	41246
AMYLASE · AMILASA	CNP3 - Kinetic	20x2 mL	41201
		2x60 mL	41202
ANGIOTENSINE COVERING ENZYME (ACE) · ENZIMA CONVERTIDOR DE ANGIOTENSINA (ECA)	Enzymatic	2x50 mL	41205
CHOLINESTERASE · COLINESTERASA ●	Butyrylthiocholine. Kinetic-colorimetric	20x3 mL	1001100
CHOLINESTERASE · COLINESTERASA ▲	Butyrylthiocholine. Kinetic- colorimetric (2 Reagents)	4x50 mL / 4x3 mL	1001102
CHOLINESTERASE · COLINESTERASA	Butyrylthiocholine. Kinetic-colorimetric	1x100 mL / 1x20 mL	41210
CHOLINESTERASE DIBUCAINE · COLINESTERASA DIBUCAÍNA	Inhibitor. Kinetic-colorimetric	1x5 mL	1001101
CK-MB ●	Anti CK-M. Immunoinhibition. Kinetic-UV	6x2.5 mL	1001054
		19x2.5 mL	1001055
CK-MB	Anti CK-M. Immunoinhibition. Kinetic-UV	1x60 mL / 1x15 mL	41254
CK-NAC ●	NAC Kinetic-UV	20x2.5 mL	1001050
CK-NAC	NAC Kinetic-UV	1x60 mL / 1x15 mL	41250
G-6-PDH ▲	Enzymatic - UV	1x100 mL / 1x20 mL	1001420
GOT / AST ●	IFCC. Enzymatic - UV	20x2 mL	1001185
		10x15 mL	1001186
		10x50 mL	1001187
GOT / AST	IFCC. Enzymatic - UV	1x60 mL / 1x15 mL	41290
		1x240 mL / 1x60 mL	41292
		1x480 mL / 1x120 mL	41293
GOT / AST	Reitman-Frankel. Colorimetric	2x250 mL	1001165
GPT / ALT ●	IFCC. Enzymatic - UV	20x2 mL	1001170
		10x15 mL	1001171
		10x50 mL	1001172
GPT / ALT	IFCC. Enzymatic - UV	1x60 mL / 1x15 mL	41280
		1x240 mL / 1x60 mL	41282
GPT / ALT	Reitman-Frankel. Colorimetric	2x250 mL	1001175

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PRODUCT · PRODUCTO	METHOD · MÉTODO	SIZE · PRESENTACIÓN	REF. · CÓDIGO
γ-GT ●	Carboxy substrate. Kinetic	20x2 mL	1001185
		10x15 mL	1001186
		10x50 mL	1001187
γ-GT	Carboxy substrate. Kinetic	1x60 mL / 1x15 mL	41290
		1x240 mL / 1x60 mL	41292
		1x480 mL / 1x120 mL	41293
LDH ●	DGKC. Pyruvate - Kinetic - UV	20x3 mL	1001260
LDH	DGKC. Pyruvate - Kinetic - UV	1x60 mL / 1x15 mL	41220
		1x240 / 1x60 mL	41222
LIPASE -LQ	Enzymatic. Kinetic-Colorimetric	2x10 mL / 1x4 mL	1001274
		4x10 mL / 1x8 mL	1001275



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## CALIBRATORS &amp; CONTROLS · CALIBRADORES Y CONTROLES

PRODUCT · PRODUCTO	METHOD · MÉTODO	SIZE · PRESENTACIÓN	REF. · CÓDIGO
SPINTROL CALIBRATOR · CALIBRADOR SPINTROL ▲	Bovine serum / Suero bovino	10x5 mL	1002010
		10x3 mL	1002011
SPINTROL CALIBRATOR · CALIBRADOR SPINTROL ▲	Human serum / Suero humano	4x3 mL	1002012
		1x3 mL	1002013
SPINTROL NORMAL ▲	Bovine serum / Suero bovino	10x5 mL	1002100
SPINTROL NORMAL ▲	Human serum / Suero humano	4x5 mL	1002120
		1x5 mL	1002121
SPINTROL PATHOLOGICAL · SPINTROL PATOLÓGICO ▲	Bovine serum / Suero bovino	10x5 mL	1002200
SPINTROL PATHOLOGICAL · SPINTROL PATOLÓGICO ▲	Human serum / Suero humano	4x5 mL	1002210
		1x5 mL	1002211
AMMONIA / EtOH	Human serum / Suero humano	4x2 mL	1002240
ANGIOTENSINE COVERING ENZYME (ACE) · ENZIMA CONVERTIDOR DE ANGIOTENSINA (ECA)	Control	2x1 mL	1002227
ALDOLASE · ALDOLASA ▲	Calibrator	1x1 mL	1002220
	Control	4x1 mL (2 Levels)	1002222
ADA (Adenosine Deaminase)	Calibrator	1x1 mL	1002230
	Control	1x1 mL	1002232
BILIRUBIN · BILIRUBINA ▲	Total Calibrator (20 mg/dL)	4x1 mL	1002250
CK-NAC / CK-MB ▲	Control. Human source	4x2 mL	1002260
	Control. Human source. Low Level	4x2 mL	1002262
HOMOCYSTEIN · HOMOCISTEÍNA	Calibrator	2x3 mL	1002276
	Control	3x1,5 mL	1002281
HDL/LDL ▲	Calibrator	4x1 mL	33903
LIPIDS · LÍPIDOS ▲	Control Serum. Human source	4x1 mL	1002480
OXALIC ACID / CITRIC ACID · ÁCIDO OXÁLICO / ÁCIDO CÍTRICO	Control	6x5 mL	1002255
TOTAL BILE ACIDS · ÁCIDOS BILIARES TOTALES ▲	Calibrator	1x5 mL	1002290
	Control	1x5 mL (2 Levels)	1002292

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