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A handwritten signature in black ink that reads "P. Vila." with a horizontal line underneath.

Pau Vila Cases Ph.D  
CEO  
BioSystems

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## Icon guide, by profile

(Guide icons of most relevant profiles for clinical chemistry tests)



Cardiac



Renal



Liver



Pancreatic



Diabetes



Fertility



Hemostasis



Anemia



Lipids



Ions



Immune



Inflammatory































Infectious

# Clinical Chemistry



# Biochemistry reagents

















Test	Code	RA	RB	mL/Kit	
<b>α1-ACID GLYCOPROTEIN</b>					
Immunoturbidimetric assay 					
Multipurpose	31928	1 x 50 mL	-	50	
BA Dedicated	23107	1 x 60 mL	1 x 15 mL	75	
<b>α-AMYLASE DIRECT</b>					
Direct Substrate 					
Multipurpose	11583	5 x 5 mL	-	25	
	11550	6 x 25 mL	-	150	
A15/A25 Dedicated	12550	5 x 20 mL	-	100	
BA Dedicated	21550	8 x 20 mL	-	160	
	23550	4 x 20 mL	-	80	
<b>α-AMYLASE-EPS</b>					
IFCC 					
Multipurpose	11534	1 x 32 mL	1 x 8 mL	40	WR
BA Dedicated	21534	2 x 60 mL	2 x 15 mL	150	
A15/A25 Dedicated	12535	1 x 32 mL	1 x 8 mL	40	WR
<b>α-AMYLASE PANCREATIC</b>					
IFCC 					
Multipurpose	11799	1 x 20 mL	1 x 5 mL	25	
A15/A25 Dedicated	12799	1 x 40 mL	1 x 10 mL	50	
BA Dedicated	21799	2 x 60 mL	2 x 15 mL	150	
<b>ACID PHOSPHATASE (ACP)</b>					
SFBC 					
Multipurpose (Total)	11548	4 x 10 mL	lyophilized	40	WR
Multipurpose (Non Prostatic)	11548	2 x 10 mL	lyophilized	20	WR
<b>ADENOSINE DEAMINASE (ADA)</b>					
Adenosine-Glutamate Dehydrogenase  					
A15/A25 Dedicated	12754	4 x 8 mL	1 x 10 mL	40	WR
BA Dedicated	23754	2 x 16 mL	1 x 10 mL	40	WR
<b>ALANINE AMINOTRANSFERASE (ALT/GPT)</b>					
IFCC 					
Multipurpose	11832	1 x 40 mL	1 x 10 mL	50	WR
	11533	1 x 160 mL	1 x 40 mL	200	WR
	11568	1 x 400 mL	1 x 100 mL	500	WR
	11562	1 x 800 mL	1 x 200 mL	1000	WR
A15/A25 Dedicated	12533	5 x 40 mL	5 x 10 mL	250	WR
BA Dedicated	21533	8 x 60 mL	8 x 15 mL	600	
	23533	4 x 60 mL	4 x 15 mL	300	
Pyridoxal Phosphate (AUX)	11666	1 x 5 mL			
<b>ALBUMIN</b>					
Bromocresol Green 					
Multipurpose	11573	1 x 250 mL	-	250	Std Inc
	11547	2 x 250 mL	-	500	Std Inc
A15/A25 Dedicated	12547	5 x 50 mL	-	250	
BA Dedicated	21547	10 x 60 mL	-	600	
	23547	4 x 60 mL	-	240	
<b>ALBUMIN (MICROALBUMINURIA)</b>					
Immunoturbidimetric latex assay   					
Multipurpose	31324	1 x 16 mL	1 x 4 mL	20	WR
	31924	1 x 40 mL	1 x 10 mL	50	WR
A15/A25 Dedicated	13324	1 x 40 mL	1 x 10 mL	50	WR
BA Dedicated	22324	4 x 60 mL	4 x 15 mL	300	
	23324	1 x 60 mL	1 x 15 mL	75	

Test	Code	RA	RB	mL/Kit	
<b>ALKALINE PHOSPHATASE (ALP)-AMP</b> AMP Buffer (IFCC)	 				
Multipurpose	11592	1 x 40 mL	1 x 10 mL	50	WR
	11593	1 x 160 mL	1 x 40 mL	200	WR
	11598	4 x 100 mL	2 x 50 mL	500	WR
A15/A25 Dedicated	12518	5 x 16 mL	2 x 10 mL	100	WR
BA Dedicated	21592	4 x 60 mL	4 x 15 mL	300	
	23592	1 x 60 mL	1 x 15 mL	75	
<b>ALKALINE PHOSPHATASE (ALP)-DEA</b> DEA Buffer	 				
Multipurpose	11590	1 x 40 mL	1 x 10 mL	50	WR
	11591	4 x 40 mL	4 x 10 mL	200	WR
	11597	4 x 100 mL	2 x 50 mL	500	WR
A15/A25 Dedicated	12514	5 x 16 mL	2 x 10 mL	100	WR
BA Dedicated	21590	4 x 60 mL	4 x 15 mL	300	
	23590	1 x 60 mL	1 x 15 mL	75	
<b>AMMONIA</b> Glutamate Dehydrogenase	  				
A15/A25 Dedicated	12532	1 x 20 mL	1 x 7 mL	27	RA
BA Dedicated	23532	1 x 20 mL	1 x 7 mL	27	RA
<b>ANGIOTENSIN CONVERTING ENZYME (ACE)</b> FAPGG					
A15/A25 Dedicated	12796	1 x 50 mL	-	50	
BA Dedicated	21796	2 x 60 mL	-	120	
<b>ANTI-STREPTOLYSIN O (ASO)</b> Immunoturbidimetric latex assay	 				
Multipurpose	31323	1 x 16 mL	1 x 4 mL	20	WR
	31923	1 x 40 mL	1 x 10 mL	50	WR
	31031	2 x 160 mL	2 x 40 mL	400	WR
A15/A25 Dedicated	13923	1 x 40 mL	1 x 10 mL	50	WR
BA Dedicated	22923	2 x 60 mL	2 x 15 mL	150	
	23923	1 x 60 mL	1 x 15 mL	75	
<b>ANTITHROMBIN III</b> Immunoturbidimetric assay					
Multipurpose	31936	1 x 40 mL	1 x 10 mL	50	
A15/A25 Dedicated	13936	1 x 40 mL	1 x 10 mL	50	
BA Dedicated	22936	2 x 60 mL	2 x 15 mL	150	
	23936	1 x 60 mL	1 x 15 mL	75	
<b>APOLIPOPROTEIN A-1 (APO A-1)</b> Immunoturbidimetric assay	 				
Multipurpose	31095	1 x 40 mL	1 x 10 mL	50	
BA Dedicated	23095	1 x 60 mL	1 x 15 mL	75	
<b>APOLIPOPROTEIN B (APO B)</b> Immunoturbidimetric assay	 				
Multipurpose	31098	1 x 40 mL	1 x 10 mL	50	
BA Dedicated	23098	1 x 60 mL	1 x 15 mL	75	
<b>ASPARTATE AMINOTRANSFERASE (AST/GOT)</b> IFCC					
Multipurpose	11830	1 x 40 mL	1 x 10 mL	50	WR
	11531	1 x 160 mL	1 x 40 mL	200	WR
	11567	1 x 400 mL	1 x 100 mL	500	WR
	11561	1 x 800 mL	1 x 200 mL	1000	WR
A15/A25 Dedicated	12531	5 x 40 mL	5 x 10 mL	250	WR
BA Dedicated	21531	8 x 60 mL	8 x 15 mL	600	
	23531	4 x 60 mL	4 x 15 mL	300	
Pyridoxal Phosphate (AUX)	11666	1 x 5 mL			

# Biochemistry reagents

Test	Code	RA	RB	mL/Kit	
<b>β2-MICROGLOBULIN</b>					
Immunoturbidimetric latex assay					
Multipurpose	31920	1 x 800 mL	1 x 200 mL	1000	WR
	31925	1 x 40 mL	1 x 10 mL	50	WR
BA Dedicated	22925	2 x 60 mL	2 x 15 mL	150	
	23925	1 x 60 mL	1 x 15 mL	75	
<b>β-HYDROXYBUTYRATE</b>					
Hydroxybutyrate Dehydrogenase/Diaphorase					
A15/A25 Dedicated	12525	1 x 40 mL	1 x 10 mL	50	
BA Dedicated	21525	1 x 60 mL	1 x 15 mL	75	
<b>BILIRUBIN (DIRECT)</b>					
Diazotized Sulfanilic					
Multipurpose	11511	4 x 40 mL	4 x 10 mL	200	WR
	11545	2 x 400 mL	2 x 100 mL	1000	WR
<b>BILIRUBIN (DIRECT) DPD</b>					
Dichlorophenyl Diazonium					
A15/A25 Dedicated	12504	5 x 40 mL	5 x 10 mL	250	
BA Dedicated	21504	4 x 60 mL	4 x 15 mL	300	
	23504	1 x 60 mL	1 x 15 mL	75	
<b>BILIRUBIN (TOTAL)</b>					
Diazotized Sulfanilic					
Multipurpose	11510	4 x 40 mL	4 x 10 mL	200	WR
	11544	2 x 400 mL	2 x 100 mL	1000	WR
<b>BILIRUBIN (TOTAL) DPD</b>					
Dichlorophenyl Diazonium					
A15/A25 Dedicated	12506	5 x 40 mL	5 x 10 mL	250	
BA Dedicated	21506	8 x 60 mL	8 x 15 mL	600	
	23506	4 x 60 mL	4 x 15 mL	300	
<b>BILIRUBIN (TOTAL AND DIRECT)</b>					
Diazotized Sulfanilic					
Multipurpose	11515	2 x 50 mL	2 x 50 mL	200	WR
	11555	1 x 500 mL	1 x 500 mL	1000	WR
<b>CALCIUM-ARSENAZO</b>					
Arsenazo III					
Multipurpose	11570	1 x 200 mL	-	200	Std Inc
	11571	1 x 500 mL	-	500	Std Inc
A15/A25 Dedicated	12570	10 x 50 mL	-	500	
BA Dedicated	21570	10 x 60 mL	-	600	
	23570	4 x 60 mL	-	240	
<b>CALCIUM-CRESOLPHTHALEIN</b>					
O-Cresolphthalein Complexone					
Multipurpose	11811	1 x 160 mL	1 x 40 mL	200	Std Inc, WR
	11812	1 x 400 mL	2 x 50 mL	500	Std Inc, WR
A15/A25 Dedicated	12513	5 x 40 mL	5 x 10 mL	250	
BA Dedicated	21511	8 x 60 mL	8 x 15 mL	600	
	23511	2 x 60 mL	2 x 15 mL	150	
<b>CALCIUM-MTB</b>					
Metihylthymol Blue					
Multipurpose	11527	2 x 50 mL	2 x 50 mL	200	Std Inc, WR
	11507	1 x 250 mL	1 x 250 mL	500	Std Inc, WR
<b>CARBON DIOXIDE (CO<sub>2</sub>)</b>					
Phosphoenolpyruvate Carboxylase/ Malate Dehydrogenase					
Multipurpose	11827	1 x 200 mL	-	200	
A15/A25 Dedicated	11558	1 x 50 mL	-	50	
BA Dedicated	21558	2 x 60 mL	-	120	














Test	Code	RA	RB	mL/Kit	
<b>CHOLESTEROL</b>					
Cholesterol Oxidase/Peroxidase					
 					
Multipurpose	11805	1 x 50 mL	-	50	Std Inc
	11505	1 x 200 mL	-	200	Std Inc
	11506	1 x 500 mL	-	500	Std Inc
	11539	1 x 1000 mL	-	1000	Std Inc
A15/A25 Dedicated	12505	10 x 50 mL	-	500	
BA Dedicated	21505	10 x 60 mL	-	600	
	23505	4 x 60 mL	-	240	
<b>CHOLESTEROL LDL DIRECT</b>					
Detergent					
 					
Multipurpose	11585	1 x 60 mL	1 x 20 mL	80	
A15/A25 Dedicated	12585	3 x 20 mL	1 x 20 mL	80	
BA Dedicated	21585	2 x 60 mL	2 x 20 mL	160	
	23585	1 x 60 mL	1 x 20 mL	80	
<b>CHOLESTEROL HDL DIRECT</b>					
Detergent					
 					
Multipurpose	11557	1 x 60 mL	1 x 20 mL	80	
A15/A25 Dedicated	12557	3 x 20 mL	1 x 20 mL	80	
BA Dedicated	21557	2 x 60 mL	2 x 20 mL	160	
	23557	1 x 60 mL	1 x 20 mL	80	
<b>CHOLESTEROL HDL</b>					
Phosphotungstate/ Mg+2-Cholesterol Oxidase/ Peroxidase Reagent + Precipitant					
 					
Multipurpose	11523	2 x 50 mL	2 x 50 mL	200	Std Inc
<b>CHOLESTEROL HDL PRECIPITATING REAGENT</b>					
Phosphotungstate/ Mg+2 Precipitant					
 					
Multipurpose	11648	1 x 50 mL	-	50	Std Inc
<b>CHOLESTEROL LDL PRECIPITATING REAGENT</b>					
Polyvinyl Sulphate/ Polyethyleneglycol Precipitant					
 					
Multipurpose	11579	1 x 20 mL	-	20	
<b>CHOLINESTERASE (CHE)</b>					
Butyrylthiocholine					
					
Multipurpose	11588	1 x 40 mL	1 x 10 mL	50	WR
	11589	4 x 40 mL	4 x 10 mL	200	WR
A15/A25 Dedicated	12588	1 x 40 mL	1 x 10 mL	50	WR
BA Dedicated	21588	2 x 60 mL	2 x 15 mL	150	
<b>CITRATE</b>					
Citrate Lyase/ Malate Dehydrogenase					
					
A15/A25 Dedicated	11895	1 x 20 mL	1 x 5 mL	25	RB + Std Inc
	11795	2 x 20 mL	2 x 5 mL	50	RB + Std Inc
BA Dedicated	23795	2 x 20 mL	2 x 5 mL	50	RB + Std Inc
<b>COMPLEMENT COMPONENT C3</b>					
Immunoturbidimetric assay					
					
Multipurpose	31084	1 x 20 mL	-	20	
	31073	1 x 50 mL	-	50	
	31079	1 x 250 mL	-	250	
A15/A25 Dedicated	13084	1 x 50 mL	-	50	
BA Dedicated	23103	1 x 60 mL	1 x 15 mL	75	
<b>COMPLEMENT COMPONENT C4</b>					
Immunoturbidimetric assay					
					
Multipurpose	31085	1 x 20 mL	-	20	
	31074	1 x 50 mL	-	50	
	31080	1 x 250 mL	-	250	
A15/A25 Dedicated	13085	1 x 50 mL	-	50	
BA Dedicated	23104	1 x 60 mL	1 x 15 mL	75	

# Biochemistry reagents



















Test	Code	RA	RB	mL/Kit	
<b>C-REACTIVE PROTEIN (CRP)</b>					
Immunoturbidimetric latex assay					
Multipurpose	31321	1 x 16 mL	1 x 4 mL	20	WR
	31921	1 x 40 mL	1 x 10 mL	50	WR
	31029	2 x 160 mL	2 x 40 mL	400	WR
A15/A25 Dedicated	13921	2 x 40 mL	2 x 10 mL	100	WR
BA Dedicated	22921	4 x 60 mL	4 x 15 mL	300	
	23921	1 x 60 mL	1 x 15 mL	75	
<b>C-REACTIVE PROTEIN hs (CRP-hs)</b>					
Immunoturbidimetric latex assay, High Sensitivity					
Multipurpose	31927	1 x 40 mL	1 x 10 mL	50	WR
A15/A25 Dedicated	13927	1 x 40 mL	1 x 10 mL	50	WR
BA Dedicated	22927	2 x 60 mL	2 x 15 mL	150	
	23927	1 x 60 mL	1 x 15 mL	75	
<b>C-REACTIVE PROTEIN-er (CRP-er)</b>					
Immunoturbidimetric latex assay, Extended Range					
BA Dedicated	22942	2 x 60 mL	2 x 15 mL	150	
	23942	1 x 60 mL	1 x 15 mL	75	
<b>CREATINE KINASE (CK)</b>					
IFCC					
Multipurpose	11790	1 x 40 mL	1 x 10 mL	50	WR
	11791	4 x 40 mL	4 x 10 mL	200	WR
A15/A25 Dedicated	12524	3 x 12 mL	1 x 10 mL	45	WR
BA Dedicated	21790	2 x 60 mL	2 x 15 mL	150	
	23790	1 x 60 mL	1 x 15 mL	75	
<b>CREATINE KINASE-MB (CK-MB)</b>					
Immunoinhibition					
Multipurpose	11792	1 x 40 mL	1 x 10 mL	50	WR
A15/A25 Dedicated	12566	3 x 12 mL	1 x 10 mL	45	WR
BA Dedicated	21792	2 x 60 mL	2 x 15 mL	150	
	23792	1 x 60 mL	1 x 15 mL	75	
<b>CREATININE</b>					
Jaffé-compensated					
Multipurpose	11802	1 x 50 mL	1 x 50 mL	100	Std Inc, WR
	11502	2 x 50 mL	2 x 50 mL	200	Std Inc, WR
	11542	1 x 500 mL	1 x 500 mL	1000	Std Inc, WR
A15/A25 Dedicated	12502	5 x 50 mL	5 x 50 mL	500	WR
BA Dedicated	21502	5 x 60 mL	5 x 60 mL	600	
	23502	5 x 20 mL	5 x 20 mL	200	
<b>CREATININE ENZYMATIC</b>					
Enzymatic					
Multipurpose	11734	1 x 60 mL	1 x 20 mL	80	Std Inc
A15/A25 Dedicated	12734	1 x 45 mL	1 x 15 mL	60	
BA Dedicated	21734	2 x 60 mL	2 x 20 mL	160	
<b>D-DIMER</b>					
Phosphoenolpyruvate Carboxylase/Malate					
BA Dedicated	21519	1 x 40 mL	1 x 10 mL	50	
<b>ETHANOL</b>					
Alcohol Dehydrogenase					
A15/A25 Dedicated	12789	1 x 20 mL	1 x 7 mL	27	
BA Dedicated	21789	2 x 20 mL	2 x 7 mL	54	
<b>FERRITIN</b>					
Immunoturbidimetric latex assay					
Multipurpose	31934	1 x 10 mL	1 x 5 mL	15	WR
	31935	1 x 30 mL	1 x 15 mL	45	WR
A15/A25 Dedicated	13934	1 x 30 mL	1 x 15 mL	45	WR
BA Dedicated	22934	2 x 40 mL	2 x 20 mL	120	
	23934	1 x 40 mL	1 x 20 mL	60	












NEW

Test	Code	RA	RB	mL/Kit	
<b>FIBRINOGEN</b>					
Immunoturbidimetric assay 					
Multipurpose	31600	1 x 40 mL	1 x 10 mL	50	
A15/A25 Dedicated	13600	1 x 40 mL	1 x 10 mL	50	
BA Dedicated	22804	2 x 60 mL	2 x 15 mL	150	
	23804	1 x 60 mL	1 x 15 mL	75	
<b>FRUCTOSAMINE</b>					
NBT 					
Multipurpose	11046	2 x 50 mL	-	100	Std Inc
<b>FRUCTOSE</b>					
Hexokinase/ Phosphoglucose Isomerase 					
A15/A25 Dedicated	11794	1 x 40 mL	1 x 10 mL	50	Std Inc, WR
BA Dedicated	23794	1 x 60 mL	1 x 15 mL	75	Std Inc
<b>γ-GLUTAMYL TRANSFERASE (γ-GT)</b>					
IFCC 					
Multipurpose	11584	1 x 40 mL	1 x 10 mL	50	WR
	11520	1 x 160 mL	1 x 40 mL	200	WR
A15/A25 Dedicated	12520	5 x 40 mL	5 x 10 mL	250	WR
BA Dedicated	21520	4 x 60 mL	4 x 15 mL	300	
	23520	2 x 60 mL	2 x 15 mL	150	
<b>GLUCOSE</b>					
Glucose Oxidase/ Peroxidase  					
Multipurpose	11803	1 x 50 mL	-	50	Std Inc
	11503	1 x 200 mL	-	200	Std Inc
	11504	1 x 500 mL	-	500	Std Inc
	11538	1 x 1000 mL	-	1000	Std Inc
A15/A25 Dedicated	12503	10 x 50 mL	-	500	
BA Dedicated	21503	10 x 60 mL	-	600	
	23503	4 x 60 mL	-	240	
<b>GLUCOSE-HEXOKINASE</b>					
Hexokinase  					
Multipurpose	11656	1 x 160 mL	1 x 40 mL	200	Std Inc, WR
A15/A25 Dedicated	12756	2 x 40 mL	2 x 10 mL	100	
BA Dedicated	21656	4 x 60 mL	4 x 15 mL	300	
	23656	1 x 60 mL	1 x 15 mL	75	
<b>HEMOGLOBIN A1C-DIRECT (HbA1C-DIR)</b>					
Immunoturbidimetric latex assay 					
Multipurpose	31047	1 x 50 mL	1 x 10 mL	60	
A15/A25 Dedicated	13047	1 x 50 mL	1 x 10 mL	60	
BA Dedicated	22047	2 x 60 mL	2 x 12 mL	144	
	22147	1 x 60 mL	1 x 12 mL	72	
<b>HOMOCYSTEINE</b>					
Enzymatic Cycling 					
A15/A25 Dedicated	12737	1 x 40 mL	1 x 10.8 mL	50.8	
BA Dedicated	21737	1 x 60 mL	1 x 16.2 mL	76.2	
	23737	1 x 20 mL	1 x 5.4 mL	25.4	
<b>IMMUNOGLOBULIN A (IgA)</b>					
Immunoturbidimetric assay 					
Multipurpose	31082	1 x 20 mL	-	30	
	31071	1 x 50 mL	-	50	
	31077	1 x 250 mL	-	250	
A15/A25 Dedicated	13082	1 x 50 mL	-	50	
BA Dedicated	23101	1 x 60 mL	1 x 15 mL	75	









NGSP  
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# Biochemistry reagents

Test	Code	RA	RB	mL/Kit	
<b>IMMUNOGLOBULIN G (IgG)</b> Immunoturbidimetric assay					
Multipurpose	31081	1 x 20 mL	-	20	
	31070	1 x 50 mL	-	50	
	31076	1 x 250 mL	-	250	
A15/A25 Dedicated	13081	1 x 50 mL	-	50	
BA Dedicated	23100	1 x 60 mL	1 x 15 mL	75	
<b>IMMUNOGLOBULIN M (IgM)</b> Immunoturbidimetric assay					
Multipurpose	31083	1 x 20 mL	-	20	
	31072	1 x 50 mL	-	50	
	31078	1 x 250 mL	-	250	
A15/A25 Dedicated	13083	1 x 50 mL	-	50	
BA Dedicated	23102	1 x 60 mL	1 x 15 mL	75	
<b>IRON-CHROMAZUROL</b> Chromazurol B	 				
Multipurpose	11546	4 x 50 mL	-	200	Std Inc
<b>IRON-FERROZINE</b> Ferrozine	 				
Multipurpose	11509	4 x 40 mL	4 x 10 mL	200	Std Inc, WR
A15/A25 Dedicated	12509	5 x 40 mL	5 x 10 mL	250	
BA Dedicated	21509	4 x 60 mL	4 x 15 mL	300	
	23509	2 x 60 mL	2 x 15 mL	150	
<b>KAPPA</b> Immunoturbidimetric assay	 				
Multipurpose	31216	1x16mL	1x4mL	20mL	
A15/A25 Dedicated	13216	1x40mL	1x10mL	50mL	
BA Dedicated	22216	1x10mL	1x10mL	50mL	
<b>LAMBDA</b> Immunoturbidimetric assay	 				
Multipurpose	31217	1x16mL	1x4mL	20mL	
A15/A25 Dedicated	13217	1x40mL	1x10mL	50mL	
BA Dedicated	22217	1x10mL	1x10mL	50mL	
<b>LACTATE</b> Lactate Oxidase/ Peroxidase					
Multipurpose	11736	1 x 40 mL	1 x 10 mL	50	WR
A15/A25 Dedicated	12736	2 x 40 mL	2 x 10 mL	100	
BA Dedicated	21736	4 x 60 mL	4 x 15 mL	300	
	23736	1 x 60 mL	1 x 15 mL	75	
<b>LACTATE DEHYDROGENASE (LDH)</b> Pyruvate	  				
Multipurpose	11580	1 x 40 mL	1 x 10 mL	50	WR
	11581	1 x 160 mL	1 x 40 mL	200	WR
A15/A25 Dedicated	12580	5 x 40 mL	5 x 10 mL	250	WR
BA Dedicated	21580	8 x 60 mL	8 x 15 mL	600	
	23580	4 x 60 mL	4 x 15 mL	300	
<b>LACTATE DEHYDROGENASE (LDH)-IFCC</b> IFCC	  				
Multipurpose	11587	1 x 160 mL	1 x 40 mL	200	WR
A15/A25 Dedicated	11586	1 x 40 mL	1 x 10 mL	50	WR
BA Dedicated	21586	8 x 60 mL	8 x 15 mL	600	
	23586	2 x 60 mL	2 x 15 mL	150	
<b>LIPASE</b> Color					
Multipurpose	11793	1 x 50 mL	1 x 10 mL	60	Std Inc
A15/A25 Dedicated	12793	2 x 20 mL	1 x 8 mL	48	
BA Dedicated	23793	1 x 50 mL	1 x 10 mL	60	

Test	Code	RA	RB	mL/Kit	
<b>MAGNESIUM</b>					
Xylidyl Blue  					
Multipurpose	11797	4 x 40 mL	4 x 10 mL	200	Std Inc, WR
A15/A25 Dedicated	12797	5 x 16 mL	2 x 10 mL	100	WR
BA Dedicated	21797	2 x 60 mL	2 x 15 mL	150	
	23797	1 x 60 mL	1 x 15 mL	75	
<b>OXALATE</b>					
Oxalate Oxidase/ Peroxidase 					
A15/A25 Dedicated	12539	1 x 20 mL	1 x 5 mL	25 (20 tubes)	Std Inc, RB
Pretreatment Reagents	11839	-	-	100 tubes	
BA Dedicated (w/o tubes)	23539	1 x 20 mL	1 x 5 mL	25	Std Inc, RB
<b>PHOSPHORUS</b>					
Phosphomolybdate/ UV  					
Multipurpose	11508	3 x 40 mL	1 x 50 mL	170	Std Inc, WR
A15/A25 Dedicated	12508	3 x 24 mL	2 x 15 mL	100	
BA Dedicated	21518	4 x 50 mL	4 x 20 mL	280	
	23518	1 x 50 mL	1 x 20 mL	70	
<b>PREALBUMIN</b>					
Immunoturbidimetric assay 					
Multipurpose	31929	1 x 50 mL	-	50	
BA Dedicated	23106	1 x 60 mL	1 x 15 mL	75	
<b>PROTEIN (TOTAL)</b>					
Biuret 					
Multipurpose	11800	1 x 50 mL	-	50	Std Inc
	11572	1 x 250 mL	-	250	Std Inc
	11500	2 x 250 mL	-	500	Std Inc
	11553	1 x 1000 mL	-	1000	Std Inc
A15/A25 Dedicated	12500	10 x 50 mL	-	500	
BA Dedicated	21513	2 x 60 mL	2 x 20 mL	160	
	23513	1 x 60 mL	1 x 20 mL	80	
<b>PROTEIN (URINE+CSF)</b>					
Pyrogallol Red 					
Multipurpose	11501	4 x 50 mL	-	200	Std Inc
	11559	2 x 250 mL	-	500	Std Inc
A15/A25 Dedicated	12501	5 x 50 mL	-	250	Std Inc
BA Dedicated	21512	8 x 20 mL	-	160	
	23512	4 x 20 mL	-	80	
<b>RHEUMATOID FACTORS (RF)</b>					
Immunoturbidimetric latex assay 					
Multipurpose	31322	1 x 16 mL	1 x 4 mL	20	
	31922	1 x 40 mL	1 x 10 mL	50	
	31030	2 x 160 mL	2 x 40 mL	400	
A15/A25 Dedicated	13922	1 x 40 mL	1 x 10 mL	50	
BA Dedicated	22922	4 x 60 mL	4 x 15 mL	300	
	23922	1 x 60 mL	1 x 15 mL	75	
<b>TOTAL BILE ACIDS</b>					
Enzymatic Cycling 					
A15/A25 Dedicated	12551	1 x 18 mL	1 x 6 mL	24	Std Inc
BA Dedicated	21551	2 x 60 mL	2 x 20 mL	160	
	23551	1 x 60 mL	1 x 20 mL	80	
<b>TOTAL IRON BINDING CAPACITY (TIBC)</b>					
Fe3+ / Magnesium Hydroxide Carbonate Precipitating 					
Multipurpose	11554	50 mL	3 g	50	

# Biochemistry reagents

Test	Code	RA	RB	mL/Kit	
<b>TRANSFERRIN</b>					
Immunoturbidimetric assay					
Multipurpose	 31091	1 x 20 mL	-	20	
	31092	1 x 50 mL	-	50	
	31093	1 x 250 mL	-	250	
A15/A25 Dedicated	13091	1 x 50 mL	-	50	
BA Dedicated	22105	2 x 60 mL	2 x 15 mL	150	
	23105	1 x 60 mL	1 x 15 mL	75	
<b>TRIGLYCERIDES</b>					
Glycerol Phosphate Oxidase/ Peroxidase					
Multipurpose	  11828	1 x 50 mL	-	50	Std Inc
	11528	4 x 50 mL	-	200	Std Inc
	11529	2 x 250 mL	-	500	Std Inc
A15/A25 Dedicated	12528	10 x 50 mL	-	500	
BA Dedicated	21528	10 x 60 mL	-	600	
	23528	4 x 60 mL	-	240	
<b>UNSATURATED IRON BINDING CAPACITY (UIBC)</b>					
Ferrozine					
Multipurpose	11835	1 x 40 mL	1 x 10 mL	50	
A15/A25 Dedicated	12835	1 x 40 mL	1 x 10 mL	50	
BA Dedicated	21835	2 x 60 mL	2 x 15 mL	150	
<b>UREA/ BUN-COLOR</b>					
Urease/ Salicylate					
Multipurpose	 11536	2 x 50 mL	2 x 50 mL	200	Std Inc, RA
	11537	1 x 250 mL	1 x 250 mL	500	Std Inc, RA
<b>UREA/ BUN-UV</b>					
Urease/ Glutamate Dehydrogenase					
Multipurpose	 11516	4 x 40 mL	4 x 10 mL	200	Std Inc, WR
	11517	2 x 200 mL	2 x 50 mL	500	Std Inc, WR
	11541	1 x 800 mL	1 x 200 mL	1000	Std Inc, WR
A15/A25 Dedicated	12516	5 x 40 mL	5 x 10 mL	250	WR
BA Dedicated	21516	8 x 60 mL	8 x 15 mL	600	
	23516	4 x 60 mL	4 x 15 mL	300	
<b>URIC ACID</b>					
Uricase/Peroxidase					
Multipurpose	 11821	1 x 50 mL	-	50	Std Inc
	11521	1 x 200 mL	-	200	Std Inc
	11522	1 x 500 mL	-	500	Std Inc
	11540	1 x 1000 mL	-	1000	Std Inc
A15/A25 Dedicated	12521	10 x 50 mL	-	500	
BA Dedicated	21521	10 x 60 mL	-	600	
	23521	4 x 60 mL	-	240	
<b>ZINC</b>					
Bromo-PAPS					
A15/A25 Dedicated	  12526	2 x 20 mL	1 x 10 mL	50	Std Inc, RA

# Microcolumn Chromatography

Code	Quantity	Comments
5-AMINOLEVULINIC ACID (ALA)/ PORPHOBILINOGEN (PBG) 11017	40 tests	EHRlich REAGENT ALA Standard included
HEMOGLOBIN A2 11077	20 tests	ION EXCHANGE
5-HYDROXYINDOLEACETIC ACID (5-HIAA) 11010	40 tests	NITROSE NAFTOL Standard included
17-HYDROXYCORTICOSTEROIDS (17-OH) 11006	40 tests	PORTER-SILBER Standard included
17-KETOSTEROIDS 11002	40 tests	ZIMMERMANN Standard included
METANEPHRINES 11022	40 tests	PISANO Standard included
VANILMANDELIC ACID 11003	20 tests	PERIODATE Standard included



# Calibrators & Standards

Code	Quantity	Components
<b>ADENOSINE DEAMINASE (ADA)</b> 18052	1 x 1 mL	Adenosine Deaminase (ADA)
<b>ALBUMIN (MICROALBUMINURIA)</b> 31130	1 x 1 mL	Albumin (Microalbuminuria)
<b>AMMONIA, ETHANOL, CO2</b> 18065	2 x 5 mL	Ammonia, Ethanol, Carbon Dioxide
<b>ANTI-STREPTOLYSIN O (ASO)</b> 31119	1 x 1 mL	Anti-Streptolysin O (ASO)
<b>APOLIPOPROTEIN A-I</b> 31100	1 x 1 mL	Apolipoprotein A-I
<b>APOLIPOPROTEIN B</b> 31200	1 x 1 mL	Apolipoprotein B
<b>β2-MICROGLOBULIN</b> 31122	1 x 1 mL	β2-Microglobulin
<b>BIOCHEMISTRY (BOVINE)</b> 18011	5 x 5 mL	ACE, ACP, Albumin, ALP, ALT/GPT, AST/GOT, α-Amylase, β-hydroxybutyrate, Total Bilirubin, Calcium, Cholesterol, Chloride, CK, Creatinine, Direct Bilirubin, Iron, Lactate, LDH, Lipase, Glucose, γ-GT, Magnesium, Phosphorus, Potassium, Sodium, Total Bile Acids, Total Protein, Triglycerides, UIBC, Urea, Uric acid, and Zinc.
<b>BIOCHEMISTRY (HUMAN)</b> 18044	5 x 5 mL	ACE, ACP, Albumin, ALP, ALT/GPT, AST/GOT, α-Amylase, α-Amylase Pancreatic, β-hydroxybutyrate, Direct Bilirubin, Direct HDL-Cholesterol, Direct LDL-Cholesterol, Total Bilirubin, Creatinine, Calcium, Chloride, CK, γ-GT, Cholesterol, Lactate, LDH, Lipase, Cholinesterase, Glucose, Iron, Triglycerides, Magnesium, Phosphorus, Potassium, Total Protein, Sodium, UIBC, Urea, Uric acid, and Zinc.
<b>BILIRUBIN</b> 11513	1 x 5 mL	Bilirubin
<b>CHOLESTEROL HDL/LDL</b> 11693	1 x 1 mL	HDL Cholesterol Direct/ LDL Cholesterol Direct
<b>CREATININE KINASE-MB (CK-MB)</b> 11824	1 x 1 mL	CK-MB
<b>C-REACTIVE PROTEIN (CRP/CRP-hs)</b> 31113	1 x 1 mL 1 x 5 mL	CRP CRP-hs
<b>C-REACTIVE PROTEIN (CRP-er)</b> 31182	1 x 3 mL	CRP-er
<b>D-DIMER</b> 18077	1 x 3 mL	D-Dimer
<b>FERRITIN</b> 31127	1 x 3 mL	Ferritin
<b>FIBRINOGEN</b> 31601	1 x 1 mL	Fibrinogen

**NEW**



Code	Quantity	Components
<b>HbA1C-DIRECT</b> 31048	4 x 0.5 mL	HbA1C
<b>HOMOCYSTEINE</b> 11750	5 x 1 mL	Homocysteine
<b>KAPPA/LAMBDA CALIBRATOR</b> 18070	5 x 1 mL	Kappa Light Chains and Lamda Light Chains
<b>PROTEIN</b> 31075	5 x 1 mL	Set of five Levels. α1-Acid Glycoprotein, Antithrombin III, IgA, IgG, IgM, Complement C3 and C4, Prealbumin and Transferrin.
<b>PROTEIN (URINE)</b> 11603	1 x 5 mL	Protein (Urine)
<b>RHEUMATOID FACTORS (RF)</b> 31116	1 x 3 mL	Rheumatoid Factor (RF)

## Internal Controls

Code	Quantity	Components
<b>ADA</b> 18048	2 x 1 mL	LEVEL I and II Adenosine Deaminase
<b>AMMONIA, ETHANOL, CO2</b> 18063	3 x 5 mL	LEVEL I Ammonia, Ethanol, Carbon Dioxide
18064	3 x 5 mL	LEVEL II
<b>BIOCHEMISTRY SERUM</b> 18009	5 x 5 mL	LEVEL I ACE, ACP, Albumin, ALP, ALT/GPT, AST/GOT,
18005	20 x 5 mL	α-Amylase, β-hydroxybutyrate, Direct and Total
18010	5 x 5 mL	LEVEL II Bilirubin, , Calcium, Chloride, Cholesterol, HDL-
18007	20 x 5 mL	Cholesterol, CK, Creatinine, Glucose, γ-GT, Iron, LDH, Lactate, Lipase, Magnesium, Phosphorus, Potassium, Protein Total, Sodium, Total Bile Acids, Triglycerides, UIBC, Urea, Uric acid and Zinc.
<b>BIOCHEMISTRY SERUM (HUMAN)</b> 18042	5 x 5 mL	LEVEL I ACE, ACP, Albumin, ALP, ALT/GPT, AST/GOT,
18043	5 x 5 mL	LEVEL II α-Amylase, α-Amylase Pancreatic, β-hydroxybutyrate, Direct and Total Bilirubin, Calcium, Chloride, Cholesterol, Direct Cholesterol-HDL, Direct Cholesterol-LDL, Cholinesterase, CK, Creatinine, Glucose, γ-GT, Iron, Lactate, LDH, Lipase, Magnesium, Phosphorus, Potassium, Protein total, Sodium, Triglycerides, UIBC, Urea, Uric acid and Zinc.
<b>BIOCHEMISTRY URINE</b> 18054	1 x 5 mL	LEVEL I Albumin, α-Amylase, α-Amylase Pancreatic,
18066	1 x 5 mL	LEVEL II Calcium, Chloride, Citrate, Creatinine, Glucose, Magnesium, Phosphorus, Potassium, Protein urine, Sodium, Urea and Uric acid.

# Controls

Code	Quantity	Components	
<b>β2-MICROGLOBULIN</b>			
31592	2 x 1 mL	LEVEL I and II	β2-Microglobulin
<b>β2-MICROGLOBULIN URINE</b>			
31215	1 x 3 mL		β2-Microglobulin
<b>CREATININE KINASE-MB</b>			
18024	1 x 1 mL	LEVEL I	CK, and CK-MB
18061	1 x 1 mL	LEVEL II	
<b>CONTROL URINE</b>			
18036	1 x 20 mL		Albumin, 5-Aminolevulinic Acid
18037	10 x 20 mL		(ALA), 5-Hydroxyindolacetic acid, 17-Hydroxycorticosteroids, 17-Ketosteroids, Metanephrines, Protein and Vanilmandelic acid.
<b>D-DIMER</b>			
18078	2 x 1 mL	LEVEL I and II	D-Dimer
<b>FERTILITY BIOCHEMISTRY</b>			
18053	1 x 1 mL		Citrate, Fructose and Zinc
<b>FIBRINOGEN</b>			
31602	1 x 1 mL		Fibrinogen
<b>FRUCTOSAMINE</b>			
18057	1 x 1 mL		Fructosamine
<b>HEMOGLOBIN A1C</b>			
18001	1 x 0.5 mL	NORMAL	HbA1c Direct turbidimetry
18002	1 x 0.5 mL	ELEVATED	
<b>HEMOGLOBIN A2</b>			
10011	1 x 0.5 mL	ELEVATED	HbA2 Chromatography
<b>HOMOCYSTEINE</b>			
18058	1 x 1 mL	LEVEL I	Homocysteine
18059	1 x 1 mL	LEVEL II	
<b>LIPID SERUM</b>			
18040	3 x 1 mL	LEVEL I	Apolipoprotein A-I, Apolipoprotein B, Cholesterol, Cholesterol-HDL, Cholesterol-LDL and Triglycerides
18041	3 x 1 mL	LEVEL II	
<b>OXALATE URINE</b>			
18080	1 x 5 mL	LEVEL I	Oxalate
18041	1 x 5 mL	LEVEL II	
<b>PROTEIN SERUM</b>			
31211	3 x 1 mL	LEVEL I	α1-Acid Glycoprotein, Antithrombin III, Complement C3 and C4, C-Reactive Protein-hs, Ferritin, IgA, IgG, IgM, Prealbumin, Transferrin, Kappa Light Chains and Lambda Light Chains
31212	3 x 1 mL	LEVEL II	
<b>RHEUMATOID SERUM</b>			
31213	3 x 1 mL	LEVEL I	Anti-Streptolysin O, C-Reactive Protein, Rheumatoid Factors, CRPer
31214	3 x 1 mL	LEVEL II	

# External Quality Control

**PREVECAL**

www.prevecal.net

## International External Quality Assessment Scheme

- ▶ Yearly program for the comparison of results between laboratories.
- ▶ Monthly measurements of different control materials
- ▶ The final report summarises all monthly reports and shows additional data on performance and capability
- ▶ 6-sigma quality management for the assessment for each measurement procedure of the laboratory
- ▶ On-line participation through www.prevecal.net
- ▶ Accredited by ISO 17043

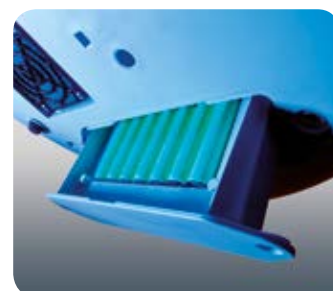
## Clinical Chemistry

Code	Quantity	Components
<b>PREVECAL BIOCHEMISTRY (BOVINE)</b>		
18027	12 x 5 mL	ACP, Albumin, ALP, ALT/GPT, AST/GOT, α-Amylase, Total Bilirubin, Calcium, Chloride, Cholesterol, HDL-Cholesterol, Cholinesterase, CK, Creatinine, Glucose, γ-GT, Iron, Lactate LDH, Lipase, Magnesium, Phosphorus, Potassium, Proteins, Sodium, Triglycerides, Urea and Uric acid.
<b>PREVECAL BIOCHEMISTRY HUMAN</b>		
18045	12 x 5 mL	ALT, Albumin, α-Amylase, α-Amylase Pancreatic, AST, Direct and Total Bilirubin, Calcium, (human sera) Chloride, Cholesterol, Cholinesterase, HDL-Cholesterol, CK, Creatinine, ACP, ALP, Phosphorus, Glucose, γ-GT, Iron, Lactate LDH, LDL-Cholesterol, Lipase, Magnesium, Potassium, Proteins, Sodium, Triglycerides, Uric Acid and Urea.
<b>PREVECAL RHEUMA</b>		
31009	12 x 1 mL	Anti-streptolysin O, C-reactive Protein and Rheumatoid Factors (human sera).
<b>PREVECAL PROTEINS</b>		
31010	12 x 1 mL	α1-Acid Glycoprotein, CRP-hs, Immunoglobulins (A, G and M), Complements C3 (human sera) and C4, Ferritin, Prealbumin and Transferrin.
<b>PREVECAL URINE</b>		
18067	12 x 5 mL	Albumin, α-Amylase, α-Amylase Pancreatic, Calcium, Chloride, Citrate, Creatinine, Glucose, Magnesium, Phosphorus, Potassium, Protein Urine, Sodium, Urea and Uric Acid.

ISO 17043 — ACCREDITED

All kits include general instructions and cards for results.

# Instruments



Code 80175

## Semi-Automatic Analyzer LED Technology

- ▶ LED configuration: 340, 405, 505, 535, 560, 600, 635, 670 nm, (optional: 450 nm).
- ▶ Durable, humidity proof Hard Coated Filters.
- ▶ Battery Power Pack (2hrs)-OPTIONAL (AC14773).
- ▶ Photometric Range 0.0-3.5A for all wavelengths.
- ▶ Flow Cuvette 18  $\mu$ L (macro, semi-micro and microcuvette).
- ▶ Levy-Jennings QC chart (based on Westgard's Rules).
- ▶ Calibration by Factor, single calibrator or calibration curve.
- ▶ Maximum power of 30 W. (minimal energy consumption).
- ▶ USB Port to export data (results and graphs).
- ▶ The lowest maintenance.



# Instruments



## **A15**

### Random Access Analyzer

- ▶ Continuous loading of samples during working session (STAT samples).
- ▶ Innovative design and functional robustness.
- ▶ Low water consumption, less than 0.5 L/ hour.
- ▶ Throughput of 150 tests/hour.
- ▶ Real prozone detection function.
- ▶ Primary tubes and pediatric vials in any position.
- ▶ Maximum flexibility in the positioning of samples and reagents.
- ▶ Minimum reading volume of 180 mL.
- ▶ Clinical Chemistry and Turbidimetry dedicated reagents.
- ▶ Filter configuration 340, 405, 505, 535, 560, 600, 635, 670 nm (adaptable).

Code 83105

### Optional configurations

**A15** with cooling system for 20 refrigerated reagents positions

Code 83105 C

# Instruments



Code 83101-V2

## Random Access Analyzer

- ▶ Throughput of 240 tests/hour.
- ▶ Clinical Chemistry and Turbidimetry dedicated reagents.
- ▶ 30 refrigerated positions by 20 and 50 mL reagents bottles.
- ▶ Flexibility in positioning with polyvalent (sample and reagent) racks.
- ▶ Real prozone detection function non lot dependent.
- ▶ Unlimited STAT capabilities. Run at any time.
- ▶ Minimum reading volume of 180 mL.
- ▶ Filter configuration 340, 405, 505, 535, 560, 600, 635, 670 nm (adaptable).
- ▶ Automatic conditioning of fluid system.

## Consumables A15/A25

Code	Quantity	Description
BO11524	1000 mL	Concentrated system liquid
BO13416	100 mL	Concentrated washing solution
AC11485	10 uds.	Reaction rotor
A1K110	1 unit	Power Supply Unit, 110V
A1K220	1 unit	Power Supply Unit, 220V
AC17200	4 x 20 mL	Acid Washing Solution (WS1)
AC10770	1000 units	Sample wells (pediatric cups)
BO11493	10 units	Reagent bottles 50 mL + caps
BO11494	10 units	Reagent bottles 20 mL + caps
BO13442	10 units	Amber reagent bottles 50 mL + caps
LA10418	5 units	Halogen lamp A25 12V/20W
LA10429	5 units	Halogen lamp A15 6V/10W
AC14681	1 unit	External barcode reader



# BA200

LED TECHNOLOGY

## Random Access Analyzer

Code 83200

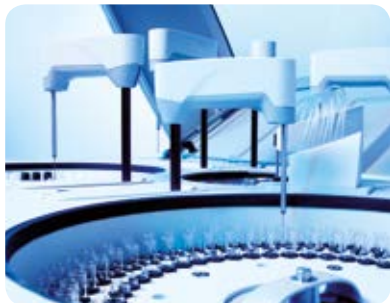
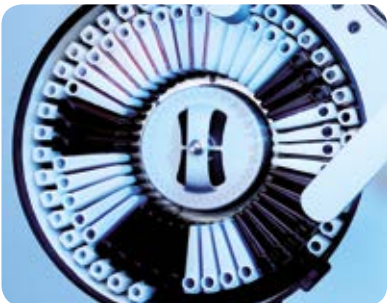
- ▶ STAT and Routine Laboratories Benchtop Random Clinical Chemistry Analyzer.
- ▶ Dynamic Baseline with SMART LED Technology.
- ▶ High reagent and sample capacity (88 positions), the highest grade in flexibility.
- ▶ Barcoded dedicated reagents.
- ▶ Highly accurate dispensing.
- ▶ 120 - cuvette rotor with washing station.
- ▶ Compact system with low maintenance.
- ▶ Real 200 t/h, even with bi reagent reactions.



## Accessories BA200

Code	Quantity	Description
AC17346	1 unit	Wheeled table + computer support
AC17345	1 unit	Wheeled table

# Instruments





## Random Access Analyzer

- ▶ Throughput of 400 test/hour (Clinical Chemistry and Turbidimetry).
- ▶ Optical system based on LED technology that assures unlimited lifetime avoiding lamp replacement and improving sensitivity.
- ▶ Photometric range up to 3.5 Abs and optical resolution of 0.0001 Abs.
- ▶ Capacity up to 135 sample positions (90 samples with barcode).
- ▶ 88 Cooling reagents on board (5 - 8°C) by 20 and 60 mL dedicated reagent bottles.
- ▶ Easy STAT samples positioning.
- ▶ Non fixed positions for samples, control, calibrator nor STAT.
- ▶ Barcode readers for sample and reagents.
- ▶ ISE module, Na<sup>+</sup>, K<sup>+</sup>, Cl<sup>-</sup>, Li<sup>+</sup> (optional).
- ▶ Minimum user maintenance.
- ▶ Less than 14 L/h water consumption and energy-efficient management (500 VA).
- ▶ Capacity to fully integrate into LIS (ASTM, HL7).
- ▶ Compact system with no peripherals (external bottles, pumps/ compressors, weighing scales, additional tubes, etc.).



**reddot award 2014  
winner**

Red Dot Award for high design quality

## Consumables and accessories BA200/BA400

Code	Presentation	Description
AC11485	10 units	Reaction rotors
AC16434	500 mL	Concentrated washing solution
A1K1500	1 unit	Power Supply Unit 1500 VA
AC10770	1000 units	Sample wells (Pediatric cups)
AC16362	10 units	Reagent bottles 60 mL + caps
AC16363	10 units	Reagent bottles 20 mL + caps
AC16364	10 units	Amber reagent bottles 60 mL + caps
AC16365	10 units	Amber reagent bottles 20 mL + caps
AC17201	4 x 20 mL	Acid washing solution (WS1)
AC17205	4 x 15 mL	Alkaline washing solution (WS2)
AC14681	1 unit	External barcode reader

ISE Module	Presentation	Description
5201	1 unit	Sodium Electrode (Na <sup>+</sup> )
5202	1 unit	Potassium Electrode (K <sup>+</sup> )
5207	1 unit	Chloride Electrode (Cl <sup>-</sup> )
5204	1 unit	Reference Electrode
5205	1 unit	Lithium Electrode (Li <sup>+</sup> )
5420	1 unit	Reagent pack Na <sup>+</sup> /K <sup>+</sup> /Cl <sup>-</sup> /Li <sup>+</sup>
5412	125 mL	Urine diluent 125 ml
5408	500 mL	Urine diluent 500 ml
5421	1 unit	ISE Cleaning solution Kit
2814	1 unit	Bi-level quality control kit (Na <sup>+</sup> /K <sup>+</sup> /Cl <sup>-</sup> /Li <sup>+</sup> )
2815	1 unit	Tri-level quality control kit (Na <sup>+</sup> /K <sup>+</sup> /Cl <sup>-</sup> /Li <sup>+</sup> )

# Hematology



# Analyzer systems

Microfluidic technology

## Hematology Analyzers

- ▶ Low consumption: Only 3 reagents
- ▶ Compact design
- ▶ Full-color touch screen
- ▶ Connectivity: LIS connection; results sent by email



# HA5

Code 86103

# HA5<sup>OP</sup>

Code 86203

Complete Hematology system 5-DIFF uses laser based flow cytometry with forward-scattered light detection for WBC, volumetric impedance method for RBC and photometric method for HGB.

- ▶ Sampling mode: closed
- ▶ Processed sample volume : 2x1.4µL
- ▶ Throughput: 60 test/hour
- ▶ 26 parameters, 1 scattergram, 3 histograms

### Consumables

Product	Code	Quantity
Reagent pack 5 DIFF 100 test	60126	4.3L
Reagent pack 5 DIFF 400 test	60128	6.3L
Control blood 5 DIFF (level: high, normal,low)	60122	3x3mL

- ▶ Sampling mode: open
- ▶ Processed sample volume : 2x1.4µL
- ▶ Throughput: 57 test/hour
- ▶ 26 parameters, 1 scattergram, 3 histograms

### Consumables

Product	Code	Quantity
Reagent pack 5 DIFF OP 100 test	60140	3.78L
Reagent pack 5 DIFF OP 250 test	60141	5.55L
Control blood 5 DIFF (level: high, normal,low)	60122	3x3mL

# Analyzer systems

## Microfluidic technology



# HA3

Code 86003

Complete hematology system 3-DIFF based on the volumetric impedance method.

- ▶ Two operating modes: open/closed
- ▶ Processed sample volume : 2.5µL
- ▶ Throughput: 60t/h in closed mode
- ▶ 22 parameter, 3 histograms

### Consumables

Product	Code	Quantity
Reagent pack 3 DIFF 100 test	60110	1.85L
Reagent pack 3 DIFF 500 test	60112	5.45L
Control blood 3 diff (level: high, normal,low)	60109	3x2.5mL
Cleaning solution	60108	100mL

## Accessories



# HALOADER

Code HA86000

The HALoader is an automatic sample vial loading device. The Autoloader is compatible with HA5 hematology analyzer and it supports the different vial types: **Greiner Vacuette, BD vacutainer y BD MAP.**

- ▶ 60t/h — Throughput
- ▶ 50 samples/tray — Capacity
- ▶ Random access mode
- ▶ Built in sample mixer and barcode reader
- ▶ All operations can be paused at any time

**Net weight** – 8.5Kg

# Coagulation



# Reagents & Instruments

Test	Code	Quantity
<b>PROTHROMBIN TIME (PT)</b>		
Rabbit Brain Thromboplastin	61001	4 x 5 mL
<b>ACTIVATED PARTIAL THROMBOPLASTIN TIME (APTT)</b>		
APTT A: Rabbit Brain Cephalin and Micronized Silica	61004	4 x 4 mL
APTT B: CaCl <sub>2</sub> buffer solution	61005	4 x 16 mL
APTT A + APTT B	61009	4 x 4 mL + 1 x 16 mL
<b>FIBRINOGEN CLAUSS</b>		
Human Thrombin	61002	4 x 2 mL
Fibrinogen B: Imidazol buffer solution	61003	4 x 15 mL
Fibrinogen A + Fibrinogen B	61020	4 x 2 mL + 4 x 15 mL
<b>THROMBIN TIME (TT)</b>		
Human Thrombin	61000	4 x 3 mL
<b>COAGULATION CALIBRATOR</b>		
Prothrombin Time (TP) and Fibrinogen Clauss	61006	4 x 1 mL
<b>COAGULATION CONTROL</b>		
LEVEL I: PT, APTT, TT and Fibrinogen Clauss	61007	4 x 1 mL
LEVEL II: PT, APTT and Fibrinogen Clauss	61008	4 x 1 mL



## COA X

### Semi-automated coagulometers

- ▶ Three models: 1, 2 or 4 optical channels.
- ▶ Prepared for the daily routine and the upcoming requirements.
- ▶ High quality results.

### Specifications

Code	85001	85002	85004
Optic channels	1	2	4
Wavelength (mm)	620 (red)	405 (UV)	405 (UV)
Global Coag. Tests	PT, APTT, TT, FIB	PT, APTT, TT, FIB	PT, APTT, TT, FIB
Specific Coag. Tests	-	individual factors	
Latex Tests	D-Dimer	D-Dimer	
Chromogenic Coag. Tests	-	AT,PC	
Display	Color Touch screen display		
Dimensions	230 x 140 x 90 mm (l,b,h)		
Interfaces	RS 232 (2x) Printer, barcode reader USB (2x) Network, Firmware update		



### Consumables

#### Product

1 box 500 cuvettes	85020
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# Autoimmunity



# Immunofluorescence

Code	Quantity	Description
<b>ANTI-NUCLEAR ANTIBODIES HEp-2 (ANA-HEp-2)</b>		
<i>HEp-2 cells</i>		
44108	24 tests	Complete kit, 6 wells
44508	60 tests	Complete kit, 6 wells
44509	120 tests	Complete kit, 12 wells
44546	10 slides	Slide box, 6 wells
44547	10 slides	Slide box, 12 wells
<b>ANTI-nDNA ANTIBODIES (nDNA)</b>		
<i>Crithidia luciliae</i>		
44825	24 tests	Complete kit, 6 wells
44818	60 tests	Complete kit, 6 wells
44817	120 tests	Complete kit, 12 wells
44820	10 slides	Slide box, 6 wells
44819	10 slides	Slide box, 12 wells
<b>ANTI-NEUTROPHIL CYTOPLASMIC ANTIBODIES (ANCA)</b>		
<i>Ethanol fixed ANCA</i>		
44850	24 tests	Complete kit, 6 wells
44851	60 tests	Complete kit, 6 wells
44852	10 slides	Slide box, 6 wells
44911	10 slides	Slide box, 12 wells
<i>Formalin fixed ANCA</i>		
44878	10 slides	Slide box, 6 wells
44898	60 tests	Complete kit, 6 wells
<i>Methanol fixed ANCA</i>		
44895	10 slides	Slide box, 6 wells
<b>ANTI-ENDOMYSIUM ANTIBODIES (AEA)</b>		
<i>Monkey Esophagus (Endomysium)</i>		
44548	48 tests	Complete kit, 4 wells
44715	96 tests	Complete kit, 8 wells
44557	12 slides	Slide box, 4 wells
44710	12 slides	Slide box, 8 wells
<b>AUTOANTIBODIES RL/RK/RS (ANA-AMA-ASMA-APCA-LKM)</b>		
<i>Rat Liver/Kidney/Stomach</i>		
44558	48 tests	Complete kit, 4 wells
44648	96 tests	Complete kit, 8 wells
44570	12 slides	Slide box, 4 wells
44639	12 slides	Slide box, 8 wells
<b>AUTOANTIBODIES MsL/MsK/MsS (ANA-AMA-ASMA-APCA-LKM)</b>		
<i>Mouse Liver/Kidney/Stomach</i>		
44826	12 slides	Slide box, 4 wells
44827	12 slides	Slide box, 8 wells
<b>ANTI-MITOCHONDRIAL ANTIBODIES (AMA)</b>		
<i>Rat Kidney</i>		
44510	48 tests	Complete kit, 4 wells
44514	96 tests	Complete kit, 8 wells
44511	12 slides	Slide box, 4 wells
44515	12 slides	Slide box, 8 wells
<b>ANTI-SMOOTH MUSCLE ANTIBODIES (ASMA)</b>		
<i>Rat Stomach</i>		
44520	48 tests	Complete kit, 4 wells
44524	96 tests	Complete kit, 8 wells
44521	12 slides	Slide box, 4 wells
44525	12 slides	Slide box, 8 wells



Code	Quantity	Description
<b>GLOMERULAR BASEMENT MEMBRANE ANTIBODIES (GBMA)</b>		
		<i>Monkey Kidney</i>
44588	12 slides	Slide box, 4 wells
<b>ANTI-ADRENAL CORTEX ANTIBODIES (AACA)</b>		
		<i>Monkey Adrenal</i>
44574	48 slides	Slide box, 4 wells
44575	12 slides	Slide box, 4 wells
<b>ANTI-STRIATED MUSCLE ANTIBODIES (AStMA)</b>		
		<i>Rat Striated Muscle</i>
44649	12 slides	Slide box, 4 wells
<b>ANTI-ISLET CELL ANTIBODIES (AICA)</b>		
		<i>Monkey Pancreas</i>
44609	48 tests	Complete kit, 4 wells*
44572	12 slides	Slide box, 4 wells
<b>ANTI-THYROID ANTIBODIES (ATA)</b>		
		<i>Monkey Thyroid</i>
44550	48 tests	Complete kit 4 wells
44551	12 slides	Slide box, 4 wells
<b>ANTI-SKIN ANTIBODIES (ASA)</b>		
		<i>Monkey Esophagus</i>
44560	48 tests	Complete kit, 4 wells*
44561	12 slides	Slide box, 4 wells
<b>ANTI-KERATIN ANTIBODIES (AKA)</b>		
		<i>Rat Esophagus</i>
44618	48 tests	Complete kit, 4 wells*
44517	12 slides	Slide box, 4 wells
<b>AUTOANTIBODIES DUO</b>		
44874	60 tests	HEp2/ML. Slide box, 6 wells
<b>TISSUE SLIDES FOR RESEARCH USE ONLY (RUO)</b>		
44571		Monkey Heart
44679		Monkey Stomach
44573		Monkey Ovary
44685		Monkey Sciatic Nerve
44687		Monkey Brain
44684		Monkey Cerebellum
44589		Monkey Hypophysis
44688		Monkey Jejunum
44638		Monkey Submaxillary
44566		Monkey Testicle
44516		Rat Colon
44527		Rat Sciatic Nerve
<b>Conjugates for Monkey tissues</b>		
<b>IgG FITC/Evans (M)</b>		
44847	3.5 mL	Anti-(Monkey adsorbed) IgG FITC conjugate, contains Evans Blue.
44882	10 mL	For use with AEA, GBMA, AICA, ATA, ASA and AACA.
<b>IgG FITC/Evans (M) hs</b>		
44914	3.5 mL	High sensitive Anti-(Monkey absorbed) IgG FITC conjugate, contains Evans Blue.
44915	10 mL	For use with AEA, GBMA, AICA, ATA, ASA and AACA

# Immunofluorescence

Code	Quantity	Description
<b>IgA FITC/Evans</b>		
44692	3.5 mL	Anti-IgA FITC conjugate, contains Evans Blue.
44835	10 mL	For use with AEA.

## Conjugates for Rat and Mouse tissues

<b>FITC/Evans (R)</b>		
44590	3.5 mL	(Rat adsorbed) Anti-IgG, IgA, IgM FITC conjugate, contains Evans Blue.
44836	10 mL	For use with Autoantibodies Screening, AMA and ASMA.

## Conjugates for HEp-2, nDNA and ANCA

<b>IgG FITC/Evans</b>		
44697	3 mL	Anti-IgG FITC conjugate, contains Evans Blue.
44834	10 mL	For use with HEp-2, nDNA, ANCA AStMA and AKA.

## Auxiliary Reagents

### Miscellaneous

44846	10 mL	Glycin (for GBMA)
44592	100 mL	PBS (10x)
44694	3 mL	Mounting medium
44897	100 u.	Coverslips (24 x 60 mm)

## Immunofluorescence Controls\*

44696	0.3 mL	Negative Control
44889	2.0 mL	Negative Control
44502	0.3 mL	Anti-Nuclear Antibodies-Homogeneous Positive Control
44890	2.0 mL	Anti-Nuclear Antibodies-Homogeneous Positive Control
44585	0.3 mL	Anti-Nuclear Antibodies-Centromere Positive Control
44504	0.3 mL	Anti-Nuclear Antibodies-Nucleolar Positive Control
44503	0.3 mL	Anti-Nuclear Antibodies-Speckled Positive Control
44549	0.3 mL	Anti-Endomysium Antibodies IgA Positive Control
44893	2.0 mL	Anti-Endomysium Antibodies IgA Positive Control
44732	0.3 mL	Anti-Endomysium Antibodies IgG Positive Control
44512	0.3 mL	Anti-Mitochondrial Antibodies Positive Control
44891	2.0 mL	Anti-Mitochondrial Antibodies Positive Control
44522	0.3 mL	Anti-Smooth Muscle Antibodies Positive Control
44892	2.0 mL	Anti-Smooth Muscle Antibodies Positive Control
44553	0.3 mL	Anti-Thyroid Antibodies Positive Control
44542	0.3 mL	Anti-nDNA Antibodies Positive Control
44894	2.0 mL	Anti-nDNA Antibodies Positive Control
44854	0.3 mL	C-ANCA Positive Control
44912	2.0 mL	C-ANCA Positive Control
44855	0.3 mL	P-ANCA Positive Control
44913	2.0 mL	P-ANCA Positive Control
44896	0.3 mL	X-ANCA Positive Control

# ELISA

Code	Quantity	Description
<b>ANA-SCREENING</b> 44785	96 tests	Purified SSA(Ro), SSB(La), Sm/RNP, RNP (70, A and C), Sm, Scl70, Jo1, dsDNA, ssDNA, nucleosomes, total histones, PMScl 100, Centromere B
<b>ENA 6-SCREENING</b> 44740	96 tests	SSA (Ro), SSB (La), Sm, Sm/RNP, Jo1, Scl70
<b>ENA 4-PROFILE</b> 44775	96 tests	Highly purified SSA, SSB, Sm, Sm/RNP
<b>ENA 6-PROFILE</b> 44910	96 tests	Highly purified SSA (Ro), SSB (La), Sm, Sm/RNP, Jo1, Scl70
<b>ANTI-Sm ANTIBODIES</b> 44755	96 tests	Highly purified human antigen
<b>ANTI-Sm/RNP ANTIBODIES</b> 44770	96 tests	Highly purified human antigen
<b>ANTI-SSA (Ro) ANTIBODIES</b> 44765	96 tests	Highly purified antigen
<b>ANTI-SSB (La) ANTIBODIES</b> 44750	96 tests	Highly purified antigen
<b>ANTI-CENTROMERE B ANTIBODIES (CENP-B)</b> 44865	96 tests	Recombinant antigen
<b>ANTI-Jo1 ANTIBODIES</b> 44864	96 tests	Highly purified antigen
<b>ANTI-Scl70 ANTIBODIES</b> 44863	96 tests	Highly purified antigen
<b>ANTI-HISTONES ANTIBODIES (HIST)</b> 44862	96 tests	Highly purified antigen
<b>ANTI-NUCLEOSOME ANTIBODIES (NCL)</b> 44861	96 tests	Purified antigen
<b>ANTI-dsDNA ANTIBODIES</b> 44705	96 tests	Calf thymus antigen
<b>ANTI-CITRULLINATED PROTEIN ANTIBODIES (ACPA)</b> 44860	96 tests	Highly purified antigen
<b>ANTI-CARDIOLIPIN ANTIBODIES (ACA-IgG/IgM)</b> 44780	96 tests	Highly purified antigen
<b>ANTI-PHOSPHOLIPID ANTIBODIES IgG/IgM (APLA)</b> 44867	96 tests	Mixture of cardiolipin, phosphatidyl serine, phosphatidyl inositol, phosphatidic acid and human b2-Glycoprotein 1

# ELISA

Code	Quantity	Description
ANTI- $\beta$ 2-GLYCOPROTEIN 1 ANTIBODIES IgG/IgM ( $\beta$ 2-GP1) 44868	96 tests	Highly purified antigen
ANTI-ANNEXIN V ANTIBODIES IgG/IgM (ANX) 44869	96 tests	Highly purified antigen
ANTI-PR3 ANTIBODIES (C-ANCA) 44791	96 tests	Purified human antigen
ANTI-MPO ANTIBODIES (P-ANCA) 44790	96 tests	Purified human antigen
ANTI-BPI ANTIBODIES 44905	96 tests	Purified human antigen
ANTI-CATHEPSIN G ANTIBODIES 44906	96 tests	Purified human antigen
ANTI-ELASTASE ANTIBODIES 44907	96 tests	Purified human antigen
ANTI-LACTOFERRIN ANTIBODIES 44908	96 tests	Purified human antigen
ANTI-LYSOZYME ANTIBODIES 44909	96 tests	Purified human antigen
ANTI-GLOMERULAR BASEMENT MEMBRANE ANTIBODIES (GBM) 44870	96 tests	Highly purified antigen
ANTI-tTRANSGLUTAMINASE IgA ANTIBODIES (Anti-tTG IgA)* 44754	96 tests	Recombinant human antigen activated by calcium and gliadin
ANTI-tTRANSGLUTAMINASE IgG ANTIBODIES (Anti-tTG IgG)* 44798	96 tests	Recombinant human antigen activated by calcium and gliadin
ANTI-GLIADIN ANTIBODIES (AGA-IgG/IgA) 44704	96 tests	Gliadin
ANTI-DEAMIDATED GLIADIN (DGP-IgG) 44884	96 tests	Synthetic deamidated gliadin
ANTI-DEAMIDATED GLIADIN (DGP-IgA) 44885	96 tests	Synthetic deamidated gliadin

Code	Quantity	Description
ANTI-SACCHAROMYCES CEREVISIAE ANTIBODIES IgG/IgA (ASCA) 44872	96 tests	Highly purified mannan from Saccharomyces cerevisiae
ANTI-THYROID PEROXIDASE ANTIBODIES (anti-TPO) 44795	96 tests	Recombinant human thyroid Peroxidase
ANTI-THYROGLOBULIN ANTIBODIES (anti-TG) 44796	96 tests	Highly purified human antigen
ANTI-INSULIN ANTIBODIES 44873	96 tests	Mixture of recombinant and purified insulin
ANTI-M2 ANTIBODIES (M2) 44871	96 tests	Highly purified mitochondrial M2 subtype antigen

## External Quality Control



International External Quality Assessment Scheme

- ▶ Yearly program for the comparison of results between laboratories
- ▶ Monthly measurements of different control materials
- ▶ The final report summarises all monthly reports and shows additional data on performance
- ▶ On-line participation through [www.prevecal.net](http://www.prevecal.net)

### Autoimmunity

Code	Quantity	Description
Prevecal ANA 18046	12 x 0.3 mL	Antinuclear antibodies
Prevecal ANCA 18056	4 x 0.3 mL	ANCA
Prevecal nDNA 18047	12 x 0.3 mL	Anti-nDNA antibodies
Prevecal CELIAC 18051	4 x 0.3 mL	Anti-endomysium, anti-tTG, anti-Gliadin, and DGP antibodies.

All kits include general instructions and cards for results.

# Instruments



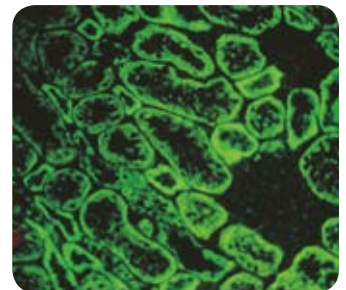
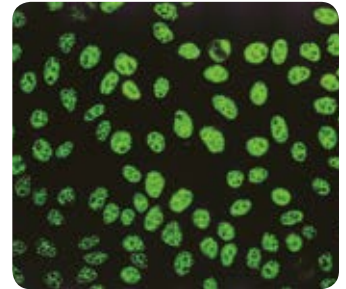
Code 84101

## Immunofluorescence Processor

- ▶ Sample volume 3  $\mu$ L.
- ▶ Sample tray interchangeable racks (13mm x 100 mm, 15 mm x 100 mm or 2 mL).
- ▶ Dilution tray 96 vials (1.2 mL).
- ▶ Slides (plates) 16 (2).
- ▶ Reagent tray 8 conjugates (15 mL), 15 controls (2 mL), 1 additional diluent (50 mL).
- ▶ Reagents reservoirs 1 L bottle of washing solution, 1 L waste bottle, 1 L buffer bottle.
- ▶ Level sensor probe conductive.
- ▶ Slide washing flux system utilizing simultaneous dispensing and aspirating probes.
- ▶ Barcode reader hand-held barcode reader.

## Consumables

Code	Quantity	Description
44592	100 mL	PBS (10x)
BO13416	100 mL	Concentrated Washing Solution
AC14682	120 strips	iPro Dilution Tubes (1,1 mL)



Code 84201

### Fluorescence Microscope (LED Technology)

- ▶ Optical system Infinity corrected plan objectives, (10x, 20x and 40x).
- ▶ Head & Eyepieces WF10x paired eyepiece.
- ▶ Bright Field Illumination 12V, 20W halogen light source with precentred light condenser bulb coupled with a collector lens system provides optimum brightness along the optical path.
- ▶ Fluorescence Light Source High power blue LED (470-480nm).
- ▶ Fluorescence Filters FITC.
- ▶ Power Supply 110 - 240V AC. 50/60Hz. Single phase.

### Consumables

Code	Description
ME15035	4x objective
ME15039	100x objective
AC15045	Trinocular head
AC15277	Digital Camera

# Instruments



## Immunofluorescence Laboratory Software: Total Integration

Code 84301

- ▶ LIMS Communication.
- ▶ Bidirectional communication with iPro: import sessions and request new test.
- ▶ Patterns, titers and images of controls configurable by test.
- ▶ Patient results management in association with images from the camera (TWAIN compatible).
- ▶ Patient historical of results and images: SQL Server Database.
- ▶ Possibility to print results report with images.
- ▶ Image reference Atlas.



# Rapid tests



# Rapid tests

Code	Quantity	Method
<b>Latex Seroagglutination</b>		
<b>ANTI-STREPTOLYSIN O (ASO) - SLIDE</b>		
31448	1 x 3 mL	Agglutination
31019	50 tests	LATEX
31086	150 tests	
<b>C-REACTIVE PROTEIN (CRP) - SLIDE</b>		
31107	1 x 3 mL	Agglutination
31011	50 tests	LATEX
31012	150 tests	
<b>RHEUMATOID FACTORS (RF) - SLIDE</b>		
31108	1 x 3 mL	Agglutination
31013	50 tests	LATEX
31014	150 tests	
<b>Syphilis Serodiagnostics</b>		
<b>RPR-CARBON</b>		
36001	100 tests	Agglutination
36002	500 tests	
<b>TPHA</b>		
36005	200 tests	Hemagglutination
<b>Febril Serodiagnostics</b>		
<b>MULTISCREENING</b>		
33001	6 x 100 tests	Agglutination SLIDE AND TUBE TESTS Salmonella paratyphi AH, Salmonella paratyphi BH, Salmonella typhi H, Salmonella typhi O, B. abortus (Rose Bengal), Proteus Ox19. Positive (Salmonella, Brucella and Proteus) and negative controls included.
<b>SALMONELLA</b>		
33080	8 x 100 tests	Agglutination SLIDE AND TUBE TEST Salmonella paratyphi AO, Salmonella paratyphi AH, Salmonella paratyphi BO, Salmonella paratyphi BH, Salmonella paratyphi CO, Salmonella paratyphi CH, Salmonella typhi H, Salmonella typhi O.
<b>FEBRILE ANTIGENS</b>		
33309	5 mL	Brucella abortus
33315	5 mL	Brucella abortus (Rose Bengal)
33301	5 mL	Salmonella paratyphi AH
33302	5 mL	Salmonella paratyphi AO
33303	5 mL	Salmonella paratyphi BH
33304	5 mL	Salmonella paratyphi BO
33305	5 mL	Salmonella paratyphi CH
33306	5 mL	Salmonella paratyphi CO
33307	5 mL	Salmonella typhi H
33308	5 mL	Salmonella typhi O
33311	5 mL	Proteus Ox19

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LIPID SERUM	16	VANILMANDELIC ACID	13
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METANEPHRINES	13		
MISCELLANEOUS	32		
MULTISCREENING	40		
OXALATE	11		
OXALATE URINE	16		
PHOSPHORUS	11		
PREALBUMIN	11		
PREVECAL ANA	17		
PREVECAL ANCA	17		
PREVECAL BIOCHEMISTRY (BOVINE)	17		
PREVECAL BIOCHEMISTRY HUMAN	17		
PREVECAL CELIAC	17		
PREVECAL nDNA	17		
PREVECAL PROTEINS	17		
PREVECAL RHEUMA	17		
PREVECAL URINE	17		
PROTEIN	15		
PROTEIN (TOTAL)	11		
PROTEIN (URINE)	15		
PROTEIN (URINE+CSF)	11		
PROTEIN SERUM	16		
PROTHROMBIN TIME (PT)	28		
RHEUMATOID FACTORS (RF)	11		
RHEUMATOID FACTORS (RF)	15		
RHEUMATOID FACTORS (RF) - SLIDE	40		
RHEUMATOID SERUM	16		



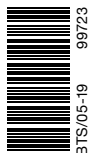




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- Certified Management System
- EN ISO 9001
- EN ISO 13485