



Product List



Made in Italy





Gesan

Production®

is a clinical chemistry manufacturer with its headquarter and production plant located in Italy. Gesan mission is to develop and produce high quality clinical chemistry liquid reagents, CE marked, combined with ease of use. Gesan brand wants to be synonymous of Quality and Excellence, values of Made in Italy products.

Gesan is working with success since 1989, and it is now marketed in more than 50 countries around the world. Gesan reagents are performing very well in different instruments and most application methods are available on customer request.

All stages in the production cycle, from raw materials supplying to logistics, are verified by our QMS – Quality Management System (ISO 9001:2015, ISO 13485:2016).

All the activities are committed to fully respect the environment, through recycling and modern production processes. Gesan goal is to preserve natural resources for future generations.

Gesan R&D department is the heart of the company, where our product specialists support production department and international distributors. Thanks to dynamism and flexibility, Gesan follows any innovations, providing products and services at maximum levels and reaching customer satisfaction.

Furthermore Gesan provides training programs in its headquarter in Italy, and it is also available a after-sales support program in Remote Connection.

Gesan OEM Manufacturing Services provides tailor-made reagents, calibrators and standards.

We offer a full package, from initial consultation and product development to after-market care.





ISO 9001:2015



ISO 13485:2016



Quality control system, that has obtained ISO 9001:2015 and ISO 13485:2016 certifications, is managed in order to improve processes and products.





Product List



OEM
Bulk Reagents and Concentrated Bulk Reagents



Toxicology



Multipurposes Reagents



Serology



Dedicated Reagents



Coagulation



Veterinary



Instrument Line



Turbilatex



OPEN REAGENTS		NOT PREMEASURED SIZE		PREMEASURED	
PRODUCT	METHOD	CODE	SIZE	CODE	SIZE
Acid Phosphatase LR	Colorimetric	3051802	18x2 mL		
		3051015	10x15 mL		
Albumin LR	BCG Bromocresol Green	E1206100	6x100 mL		
		E1200650	6x50 mL		
		1200430	4x30 mL		
Alkaline Phosphatase LR	DEA DGKC	E3000550	R1 5x40 mL R2 1x50 mL	3001230	R1 12x24 mL R2 12x6 mL
		E300340130	R1 3x40 mL R2 1x30 mL	3000650	R1 6x40 mL R2 6x10 mL
		B3001500	R1 1x400mL R2 1x100mL		
Alt-Gpt LR	Kinetic UV Optimized IFCC	E3805100	R1 5x80 mL R2 1x100 mL	3801230	R1 12x24 mL R2 12x 6 mL
		E3800550	R1 5x40 mL R2 1x50 mL	3800650	R1 6x40 mL R2 6x10 mL
		E380340130	R1 3x40 mL R2 1x30 mL		
		B3800250	R1 1x200 mL R2 1x50 mL		
		B3801500	R1 1x400 mL R2 1x100 mL		
		B3801250	R1 1x1000 mL R2 1x250 mL		
Amylase LR	CNP3	1401010	10x10 mL		
		1400430	4x30 mL		
		1400510	5x10 mL		
Ast-Got LR	Kinetic UV Optimized IFCC	E3705100	R1 5x80 mL R2 1x100 mL	3701230	R1 12x24 mL R2 12x 6 mL
		E3700550	R1 5x40 mL R2 1x50 mL	3700650	R1 6x40 mL R2 6x10 mL
		E370340130	R1 3x40 mL R2 1x30 mL		
		B3700250	R1 1x200 mL R2 1x50 mL		
		B3700500	R1 1x400 mL R2 1x100 mL		
		B3701250	R1 1x1000 mL R2 1x250 mL		
Bicarbonate - Co2	Enzymatic	1500520	R1 5x20 mL CAL1x2mL		
Bilirubin Total + Direct LR	Jendrassik - Grof Modified	1752125	T R1 1x100 mL D R1 1x100 mL R2 2x25 mL		
Calcium Arsenazo LR	Arsenazo III	E1856100	6x100 mL		
		E1850650	6x50 mL		
		E1850350	3x50 mL		
Calcium CPC LR	O-Cresolphthalein Complexone	E1806100	R1 3x100 mL R2 3x100 mL	1801030	R1 10x15mL R2 10x15 mL
		E1800650	R1 3x50 mL R2 3x50 mL		
		E1800450	R1 2x50 mL R2 2x50 mL		
		B1801500	R1 1x400 mL R2 1x100 mL		
Chloride LR	Mercurious Thiocyanate	2100330	3x30 mL		
		E2100630	6x30 mL		
		E2100650	6x50 mL		
Cholesterol LR	CHOD-PAP	E2205100	R1 5x80 mL R2 1x100 mL	2200650	R1 6x40 mL R2 6x10 mL
		E2200550	R1 5x40 mL R2 1x50 mL	2206100	R1 6x80 mL R2 6x20 mL
		E220340130	R1 3x40 mL R2 1x30 mL		
Cholesterol Monoreagent LR	CHOD-PAP	2230350	3x50 mL		
		2230650	6x50 mL		
		2236100	6x100 mL		
		B2231250	1x250 mL		
		B2231500	1x500 mL		
		B2231000	1x1000 mL		
		B2232000	1x2000 mL		
Cholinesterase LR	Hexacyanoferrate III	E2500430	R1 4x24 mL R2 1x24 mL	2500430	R1 4x24 mL R2 4x6 mL
				2500650	R1 6x40 mL R2 6x10 mL
Ck Mb LR	Enzymatic	1950130	R1 1x24 mL R2 1x6 mL		
		1950175	R1 1x60 mL R2 1x15 mL		
Ck NAC LR	Kinetic Optimized DGKC-IFCC	E1900550	R1 5x40 mL R2 1x50 mL	1900420	R1 4x16 mL R2 4x4 mL
		E1900430	R1 4x24 mL R2 1x24 mL		
		E1900230	R1 2x24 mL R2 1x12 mL		
Copper LR	Di Br Paesa	E4600650	R1 3x50 mL R2 3x50 mL	4600430	R1 4x15 mL R2 4x15 mL

OPEN REAGENTS		NOT PREMEASURED SIZE		PREMEASURED	
PRODUCT	METHOD	CODE	SIZE	CODE	SIZE
Creatinine LR	Jaffe'	E2706100	R1 3x100 mL R2 3x100 mL	2701030	R1 10x15mL R2 10x15 mL
		E2700650	R1 3x50 mL R2 3x50 mL		
		E2700450	R1 2x50 mL R2 2x50 mL		
Enzymatic Creatinine LR	Enzymatic colorimetric	2710140	R1 1X30 mL R2 1x10 mL		
		2710180	R1 1X60 mL R2 1x20 mL		
Dibucaine LR	Hexacyanoferrate III	2600610	6x10 mL		
Direct Bilirubin LR	Jendrassik-Grof Modified	E1705100	R1 5x80 mL R2 1x100 mL	1701230	R1 12x24 mL R2 12x6 mL
		E1700550	R1 5x40 mL R2 1x50 mL	1700650	R1 6x40 mL R2 6x10 mL
		E170340130	R1 3x40 mL R2 1x30 mL		
Direct Free Calcium LR	O-Cresolphthalein Complexone	1810130	R1 1x20 mL R2 1x10 mL R3 1x5 mL STD 1x5 mL		
Fructosamine LR	NBT	3400610	R1 6x10 mL		
		E3400630	R1 6x30 mL		
G6PD LR	Nadp Uv Enzymatic	390050	SOL A 19,5 mL B 14,5 mL C 14,5 mL		
G6PDH LR	Nadp Uv Enzymatic	3900425	4x25 mL		
Gamma GT LR	SZASZ	E3500550	R1 5x40 mL R2 1x50 mL	3500650	R1 6x40 mL R2 6x10 mL
		E350340130	R1 3x40 mL R2 1x30 mL	3501230	R1 12x24 mL R2 12x6 mL
Glucose LR	GOD-POD	E3605100	R1 5x80 mL R2 1x100 mL	3600650	R1 6x40 mL R2 6x10 mL
		E3600550	R1 5x40 mL R2 1x50 mL	3606100	R1 6x80 mL R2 6x20 mL
Glucose Monoreagent LR	GOD-POD	3650350	3x50 mL		
		3650650	6x50 mL		
		3656100	6x100 mL		
		B3651250	1x250 mL		
		B3651500	1x500 mL		
		B3651000	1x1000 mL		
		B3652000	1x2000 mL		
Glycated Serum Protein GSP	Enzymatic			345GSP	R1 1x60 mL R2 1x17 mL
HbA1c LR	Turbidimetric	9900140	R1 1x30 mL R2 1x10 mL (high sensitivity)		
		A9900140	R1 1x30 mL R2 1x10 mL		
HbA1c Lyse		990L	1x100 mL		
Hemoglobin	Drabkin	990HCS	R1 4x50 mL CAL 1x1 mL		
HDL Direct Cholesterol LR	Clearance	E2210180	R1 1x60 mL R2 1x20 mL		
		2210140	R1 1x30 mL R2 1x10 mL		
Homocysteine LR	Enzymatic	9910135	R1 1x30 mL R2 1x5 mL CAL 2x3 mL		
		991S	R1 1x15 mL R2 1x2,5 mL CAL 2x1 mL		
Iron Ferene LR	Ferene	E2905100	R1 5x80 mL R2 1x100 mL	2901230	R1 12x24 mL R2 12x6 mL
		E2900550	R1 5x40 mL R2 1x50 mL	2900650	R1 6x40 mL R2 6x10 mL
		E290340130	R1 3x40 mL R2 1x30 mL		
		B2900250	R1 1x200 mL R2 1x50 mL		
		B2900500	R1 1x400 mL R2 1x100 mL		
		B2901250	R1 1x1000 mL R2 1x250 mL		
Lactate	Enzymatic	4100510	R1 1x55 mL R2 5x10 mL CAL 1x5 mL		
LDH LR	Kinetic Optimized SCE	E4000550	R1 5x40 mL R2 1x50 mL	4000420	R1 4x16 mL R2 4x4 mL
		E4000430	R1 4x24 mL R2 1x24 mL		
		E4000230	R1 2x24 mL R2 1x12 mL		
LDL Direct Cholesterol LR	Clearance	E2220180	R1 1x60 mL R2 1x20 mL		
		2220140	R1 1x30 mL R2 1x10 mL		
Lipase LR	Colorimetric 2nd Gen	475LPS	R1 4x10 mL R2 1x8 mL		
		475LPSG	R1 3x40 mL R2 3x10 mL		
Lithium LR	Enzymatic	4930230	R1 2x20 mL R2 2x10 CAL 3x3 mL		
		4930130	R1 1x20 mL R2 1x10 CAL 3x1,5 mL		
Magnesium LR	Xylidiyl Blue	E4400650	6x50 mL		
		E4400630	6x30 mL		
		E4400330	3x30 mL		

OPEN REAGENTS		NOT PREMEASURED SIZE		PREMEASURED	
PRODUCT	METHOD	CODE	SIZE	CODE	SIZE
Magnesium UV Enzymatic LR	Enzymatic	E4410550	R1 5x40 mL R2 1x50 mL	4410650	R1 6x40 mL R2 6x10 mL
		E4410430	R1 4x24 mL R2 1x24 mL	4410430	R1 4x24 mL R2 4x6 mL
Pancreatic Amylase Lr	EPS	1450150	R1 1x40 mL R2 1x10 mL		
Phosphorous LR	Blue Molybdate	E3300650	6x50 mL		
		3300430	4x30 mL		
Potassium LR	Turbidimetric	4900650	6x50 mL		
		4900430	4x30 mL		
Sodium LR	Enzymatic	4950260	R1 2x40 mL R2 2x20 mL CAL 2x1,5 mL		
TIBC	Saturation-Precipitant Carbonate-Mg	TIBC291H	R1 110 mL R2 30 gr		
		TIB291L	R1 55 mL R2 15 gr		
Total Bile Acids LR	Enzymatic	1100140	R1 1x30 mL R2 1x10 mL STD 1x2 mL		
Total Bilirubin LR	Jendrassik-Grof Modified	E1605100	R1 5x80 mL R2 1x100 mL	1601230	R1 12x24 mL R2 12x6 mL
		E1600550	R1 5x40 mL R2 1x50 mL	1600650	R1 6x40 mL R2 6x10 mL
		E160340130	R1 3x40 mL R2 1x30 mL		
Total & Direct Bilirubin LR	Jendrassik - Grof Modified			1650650	TR1 3x50 mL DR1 3x50 mL R2 1x20 mL
				1656100	TR 6x100 mL DR 1 6x100 mL R2 2x20mL
Total Protein LR	Biuret	E4506100	6x100 mL		
		E4500650	6x50 mL		
		E4500450	4 x 50 mL		
		B4501250	1x250 mL		
		B4501500	1x500 mL		
		B4501000	1x1000 mL		
		B4502000	1x2000 mL		
Triglycerides LR	GPO-PAP	E4705100	R1 5x80 mL R2 1x100 mL	4700650	R16x40 mL R2 6x10 mL
		E4700550	R1 5x40 mL R2 1x50 mL	4706100	R1 6x80 mL R2 6x20 mL
Triglycerides Monoreagent LR	GPO-PAP	4730350	3x50 mL		
		4730650	6x50 mL		
		4736100	6x100 mL		
		4730630	6x30 mL		
		B4731250	1x250 mL		
		B4731500	1x500 mL		
		B4731000	1x1000 mL		
		B4732000	1x2000 mL		
Urea Berthelot	Enzymatic Colorimetric	480CBL	R1 1x120 mL R2 1x125 mL R3 1x5 mL		
		480CB	R1 1x250 mL R2 1x250 mL R3 1x5 mL		
Urea UV LR	Kinetic Uv Urease-GLDH	E4805100	R1 5x80 mL R2 1x100 mL	4801230	R1 12x24 mL R2 12x6 mL
		E4800550	R1 5x40 mL R2 1x50 mL	4800650	R1 6x40 mL R2 6x10 mL
		E480340130	R1 3x40 mL R2 1x30 mL		
		B4800250	R1 1x200 mL R2 1x50 mL		
		B4800500	R1 1x400 mL R2 1x100 mL		
		B4801250	R1 1x1000 mL R2 1x250 mL		
		4800530	R1 4x30 mL R2 1x30 mL		
Uric Acid LR	Uricase POD-PAP	E1005100	R1 5x80 mL R2 1x100 mL	1006100	R1 6x80 mL R2 6x20 mL
		E1000550	R1 5x40 mL R2 1x50 mL	1000650	R1 6x40 mL R2 6x10 mL
		E100340130	R1 3x40 mL R2 1x30 mL		
Urinary Proteins LR	Pyrogallol Red	4550630	6x30 mL STD 1x10 mL		
		E4550650	6x50 mL STD 1x10 mL		
Zinc LR	Colorimetric	4940510	R1 5x8 mL R2 1x10 mL STD 1x5 mL		

	Calibrator								Standard														Control																
	5000605/1805	5000603R/1803R	195CAL	340CAL	345CAL	390CAL	A9090CAL	5030301	990HCSCAL	1200610	1800610	2010610	2200610	4600610	2700610	3600610	4800610	2900610	4400610	3300610	4500610	4700610	1000610	INSIDE THE KIT	5010605R / 1805A	5020605R / 1805A	150CTL	110CTL	195CTL	181CTL	340CTL	354CTL	390CTL	A990CTL	991CTL	505CTL	493CTL	495CTL	455CTL
REAGENT																																							
Albumin LR	■	■								■																■	■												
Alkaline Phosphatase LR	■	■																								■	■												
ALT - GPT / AST - GOT LR	■	■																								■	■												
Amylase / A. Pancreatic LR	■	■																								■	■												
Bicarbonate - CO2																									■			■											
Calcium Ars III / CPC LR	■	■									■															■	■												
Chloride LR	■	■										■														■	■												
Cholesterol LR	■	■											■													■	■												
HDL / LDL Direct LR								■																													■		
Cholinesterase LR	■	■																								■	■												
Ck NAC LR	■	■																								■	■												
Ck - MB LR			■																											■									
Creatinine/Enzymatic Creatinine LR	■	■													■											■	■												
Copper LR	■	■												■												■	■												
Direct / Total Bilirubin LR	■	■																								■	■												
Direct Free Calcium LR																									■						■								
Fructosamine LR				■																												■							
Gamma GT LR	■	■																								■	■												
Glucose LR	■	■														■										■	■												
G6PD / G6PDH LR							■																											■					
Glycated Serum Protein - GSP					■																												■						
HbA1c LR								■																												■			
Hemoglobin									■																														
Homocysteine LR																									■										■				
Iron Ferene LR / TIBC	■	■																	■							■	■												
LDH LR	■	■																								■	■												
Lactate	■	■																							■	■	■												
Lipase LR	■	■																							■	■	■												
Lithium LR																									■													■	
Magnesium / UV Enz. LR	■	■																		■						■	■												
Phosphorous LR	■	■																		■						■	■												
Potassium LR	■																									■	■												
Sodium LR	■																								■	■	■											■	
Total Bile Acids																									■				■										
Total protein LR	■	■																			■					■	■												
Triglycerides LR	■	■																								■	■												
Urea UV LR / Berthelot	■	■																■								■	■												
Uric Acid LR	■	■																						■		■	■												
Urinary Proteins LR / CSF																									■													■	
Zinc LR	■																									■	■	■											



CALIBRATORS & CONTROLS

PRODUCT	CODE	SIZE
SERACAL	5000603R	6x3 mL
SERACAL	5001803R	18x3 mL
SERACAL	5000605	6x5 mL
SERACAL	5001805	18x5 mL
SERACONTROL N	5010605R	6X5 mL
SERACONTROL N	5011805R	18X5 mL
SERACONTROL P	5020605R	6X5 mL
SERACONTROL P	5021805R	18X5 mL
Bicarbonate - Co2 Control Set	150CTL	2 level x2 mL
CK MB Calibrator	195CAL	1x2 mL
CK MB Control	195CTL	2 level x2 mL
Direct Free Calcium Control Set	181CTL	2x10 mL
Fructosamine Calibrator	340CAL	1x1 mL
Fructosamine Control Set	340CTL	2x1 mL
GSP Calibrator	345CAL	2 level x1 mL
GSP Control	345CTL	2x1 mL
G6PD Calibrator	390CAL	1x2 mL
G6PD Control	390CTL	2x1 mL
HbA1c Cal Set	990CAL	4 level x0,5 mL
HbA1c Control Set	990CTL	level 1 2x0,5 mL level 2 2x0,5 mL
HbA1c Cal Set	A990CAL	5 level x1 mL
HbA1c Control Set CAL	A990CTL	level1 2x0,5 mL level 2x0,5 mL
Hemoglobin CAL	990HCSCAL	1x1 mL
HDL/LDL Calibrator	5030301	3x1 mL
Homocysteine Control	991CTL	3 level x1,5 mL
Lipidic Control Set	505CTL	3 level x3 mL
Lithium Control Set	493CTL	2 level x3 mL
Sodium Control Set	495CTL	2 level x3 mL
Urinary Proteins Control	455CTL	2 level x10 mL

CLINICAL CHEMISTRY STANDARDS

PRODUCT	CODE	SIZE
Albumin Standard	1200610	6x10 mL
Calcium CPC Standard	1800610	6x10 mL
Chloride Standard	2100610	6x10 mL
Cholesterol Standard	2200610	6x10 mL
Creatinine Standard	2700610	6x10 mL
Glucose Standard	3600610	6x10 mL
Iron Ferene Standard	2900610	6x10 mL
Magnesium Standard	4400610	6x10 mL
Phosphorous Standard	3300610	6x10 mL
Total Protein Standard	4500610	6x10 mL
Triglycerides Standard	4700610	6x10 mL
Uric Acid Standard	1000610	6x10 mL
Urea UV Standard	4800610	6x10 mL

**TURBILATEX**

PRODUCT	CODE	SIZE
ASO LR	7000150SC	R1 1x40 mL R2 1x10 mL
	7001100S	R1 1x80 mL R2 1x20 mL CAL 1x1 mL
	7000150S	R1 1x40 mL R2 1x10mL CAL 1x1mL
CRP LR	7100150	R1 1x40mL R2 1x10mL CAL 1x1mL
	7100150SC	R1 1x40 mL R2 1x10 mL
	7101100	R1 1x80 mL R2 1x20 CAL 1x1 mL
	7101100SC	R1 1x40 mL R2 1x10 mL
CRP Antiserum LR	AC7100155	R1 1x50 mL R2 1x5 mL
RF LR	7200150SC	R1 1x40 mL R2 1x10 mL
	7200150S	R1 1x40mL R2 1x10mL CAL 1x2mL
	7201100S	R1 1x80 mL R2 1x20 mL CAL 2 mL
Microalbumin LR	995L	R1 1x40 mL R2 1x10 mL 1x2 CAL mL
IgA LR	9000150	R1 1x40 mL R2 1x10 mL
IgG LR	9100150	R1 1x40 mL R2 1x10 mL
IgE LR	9150130	R1 1x20 mL R2 1x10 mL
IgM LR	9200150	R1 1x40 mL R2 1x10 mL
C3 LR	9300150	R1 1x40 mL R2 1x10 mL
C4 LR	9400150	R1 1x40 mL R2 1x10 mL
Alfa1 Glycoprotein Acid LR	9500150	R1 1x40 mL R2 1x10 mL
Alfa1 Antitrypsin LR	9830150	R1 1x40 mL R2 1x10 mL
Apo A1 LR	9600150	R1 1x40 mL R2 1x10 mL
Apo B LR	9700150	R1 1x40 mL R2 1x10 mL
Antithrombin III LR	9840150	R1 1x40 mL R2 1x10 mL
Ferritin LR	975H	R1 2x50 mL R2 3x7 mL
Haptoglobin LR	9860150	R1 1x40 mL R2 1x10 mL
Kappa Chain LR	9880150	R1 2x25 mL R2 1x5 mL
Lambda Chain LR	9890150	R1 2x25 mL R2 1x5 mL
Lp (a) LR	9850124	R1 1x20 mL R2 1x4 mL
Transferrin LR	9800150	R1 1x40 mL R2 1x10 mL
B2 Microglobulin LR	9820150	R1 1x40 mL R2 1x10 mL STD 1 mL

CALIBRATORS & CONTROLS

PRODUCT	CODE	SIZE
Apo A - Apo B Calibrator	965CAL	1x1 mL
Apo A - Apo B Control	965CTL	1x1 mL
Aso Crp Rf High Control	705CH	3x1 mL
Aso Crp Rf Normal Control	705CN	6x1 mL
B2 Microglobulin Control	982CTL	1x2 mL
Crp Antiserum Calibrator	AC710CAL	1x1 mL
Crp Antiserum Control Set	AC710CTL	2x1 mL
Crp Vet CAL	C710VETCAL	1x1 mL
Crp Vet Control	C710VETCTL	Level 1 1x1mL Level 2 1x1mL
Ferritin Calibrator Set	975CAL	4 Level x 1mL
Ferritin Control Set	975CTL	2 Level x3mL
IgE Calibrator	915CAL	1x1 mL
IgE Control	915CTL	1x2 mL
Kappa/Lambda CAL For Urine	988CALU	1x1 mL
Kappa/Lambda CAL For Serum	988CALS	1x1 mL
Kappa/Lambda CTL For Serum	988CTLS	1x1 mL
Kappa/Lambda CTL For Urine	988CTLU	1x1 mL
Lp(a) Calibrator	985CAL	1x1 mL
Lp(a) Control	985CTL	1x1 mL
Microalbumin Calibrator	995CAL	1x1 mL
Microalbumin Control	995CTL	1x2 mL
Serum Protein CAL	905CAL	1x2 mL
Serum Protein CTL	905CTL	1x1 mL
Total Bile Acid Control Set	110CTL	3 Level x 1mL



	Calibrator										Control											
	AC710CAL	915CAL	965CAL	975CAL	988CAL S	988CAL U	985CAL	905CAL	995CAL	INSIDE THE KIT	705CN	705CH	AC710CTL	915CTL	965CTL	982CTL	975CTL	988CTL S	988CTL U	985CTL	995CTL	905CTL
REAGENT																						
ASO / CRP / RF										■	■	■										
CRP Antiserum	■												■									
IgA / IgG / IgM LR								■														■
IgE LR		■												■								
C3 / C4 LR								■														■
ALPHA- 1 Antitrypsin LR								■														■
ALPHA- 1 Glycoprotein Acid LR								■														■
Antithrombin III LR								■														■
APO A1 / APO B LR			■												■							
Haptoglobin LR								■														■
β- 2 Microglobulin LR									■							■						
Ferritin LR					■												■					
KAPPA Chain / LAMBDA Chain					■	■												■	■			
LP (a)								■												■		
Microalbumin LR									■	■											■	
Transferrin LR									■													■



Coagulation

COAGULATION

PRODUCT	CODE	SIZE
PT(PROTHROMBIN TIME) LIQUID-F	CG712	8x5 mL
PT(PROTHROMBIN TIME)	CG714	R1 10x4mL R2 10x4mL
aPTT LIQUID (S)	CG702	R1 10x4mL R2 10x4mL
FIBRINOGEN CLAUSS	CG720	6x3 mL
PATHOLOGICAL CONTROL PLASMA LOW	CG005L	10x1 mL
PATHOLOGICAL CONTROL PLASMA HIGH	CG005H	10x1 mL
PLASMA CONTROL NORMAL	CG004	10x1 mL



Serology

SEROLOGY

PRODUCT	CODE	N° tests
ASO LATEX SLIDE	750SALS	50
CRP LATEX SLIDE	760SALS	50
RF LATEX SLIDE	770SALS	50
R.P.R. LATEX SLIDE	780SA	150
VDRL LATEX SLIDE	810SA	250
TPHA LATEX SLIDE	820SA	100
TOXO LATEX SLIDE	825SA	100
WAALER ROSE LATEX SLIDE	790SA	100
IM LATEX SLIDE	800SA	50
HCG LATEX SLIDE	830SA	50



Serology

Radial Immunodiffusion

RADIAL IMMUNODIFFUSION

PRODUCT	CODE	SIZE
IgA	900RID	1x15 wells
IgG	910RID	1x15 wells
IgM	920RID	1x15 wells
MULTIPLATE IgA-IgG-IgM	908RID	3x5 wells
C3	930RID	1x15 wells
C4	940RID	1x15 wells
Alfa1 Glycoprotein Acid	950RID	1x15 wells
APO A1	960RID	1x15 wells
APO B	970RID	1x15 wells
Lambda Free & Bound Chain	988RID	1x15 wells
Kappa Free & Bound Chain	989RID	1x15 wells
Antithrombin III	984RID	1x15 wells
Fibrinogen	003RID	1x15 wells
Transferrin	980RID	1x15 wells



MPR Specialties

SPECIALTIES

PRODUCT	CODE	SIZE
ACE	552ACE	R1 6x4,2 mL R2 2x15 mL
ACE Calibrator	552CAL	2x1 mL
ACE Control Set	552CTL	2 Level x1 mL
Fecal Chymotripsin	553CMT	R1 1x2 mL R2 1x100 mL
Chymotripsin Control Set	553CTL	2 Level x1 mL
Aldolase	554ALD	RA 5x20 mL RB 1x2 mL RC 1x0,5 mL
Aldolase Calibrator	554CAL	2x1 mL
Aldolase Control Set	554CTL	2 Level x 1 mL
Oxalic Acid	550OXA20	R1 1x10mL R2 1x10mL R3 1x2mL STD 1x5mL DIL 1x20mL PURIFICATION TUBES 20
Oxalic Acid	550OXA100	R1 1x50mL R2 1x50mL R3 5x2mL STD 1x5mL DIL 1x100mL PURIFICATION TUBES 100
Citric Acid	555CTA	BUFFER 1x100mL SUBSTRATUM 5x20mL STARTER 5x0,5mL STD 1x10mL
Oxalic/Citric Acid Control Set	550CTL	6x5 mL LEVEL 1 3x5mL LEVEL 2 3x5mL
Xylose Enzymatic UV	551XYL	R1 1x20 mL R2 1x5 mL 3x1 Lyo STD 1x2mL Lyo
Xylose Enzymatic UV Control set	551CTL	4x1 mL Lyo LEVEL 1 2x1 mL LEVEL 2 2x1 mL
Galactose UV	556GLT	R1 1x20 mL R2 1x20 mL R3 1x0,9 mL STD 1x1mL
Galactose UV Control set	556CTL	2x1 mL (2 LEV)
Iodide in urine	557IOD	R1 1x75 mL R2 1x10 mL DIL STD
Iodide in urine	557IOD20	R1 1x30 mL R2 1x4 mL DIL STD
Iodide Control	557CTL	2x2 mL (2 LEV)
25-OH VITAMIN D	250HVD	R1 1x40 mL R2 1x10 mL
25-OH VITAMIN D CONTROL SET	250HVDCTL	2x3 mL
25-OH VITAMIN D CALIBRATOR SET	250HVDCAL	5x1 mL

BENCE JONES OUCHTERLONY

PRODUCT	CODE	N° tests
Bence jones ouchterlony	BJ010	10x2
Bence jones ouchterlony	BJ015	15x2
Bence jones ouchterlony	BJ020	20x2

WASHING SOLUTIONS

PRODUCT	CODE	SIZE
EXTRA WASH SOLUTION	6002100	2x100 mL
OPTICAL CELL WASH	6506100	6x100 mL
SYSTEMIC SOLUTION TENSIOACTIVE	6000650	6x50 mL



THERAPEUTIC DRUGS MONITORING (TDM)

PRODUCT	CODE	SIZE
DIGOXIN	TDMDIG01	R1 2x8 mL R2 2x6 mL
CARBAMAZEPINE	TDMCBZ02	R1 2x12 mL R2 2x5 mL
PHENOBARBITAL	TDMPHN03	R1 2x17 mL R2 2x6 mL
PHENYTOIN	TDMPHE04	R1 2x17 mL R2 2x6 mL
VALPROIC ACID	TDMVPA05	R1 2x12 mL R2 2x5 mL
TDM CALIBRATOR	TDMCAL	6x3 mL
TDM CONTROL	TDMCTL	3x5mL
TDM CONTROL LEVEL 1	TDMCTLL1	4x5 mL
TDM CONTROL LEVEL 2	TDMCTLL2	4x5 mL
TDM CONTROL LEVEL 3	TDMCTLL3	4x5 mL

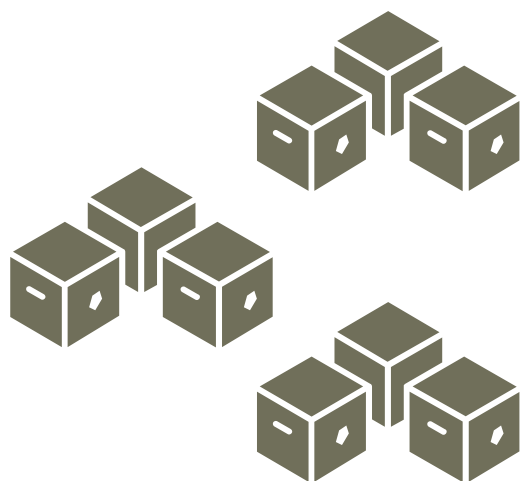
DRUGS OF ABUSE (DOA)

PRODUCT	CODE	SIZE
Alcohol urine	DOA100	R1 1x42 mL R2 1x16 mL
Amphetamine urine LR	DOA200	R1 1x42 mL R2 1x16 mL
Barbiturates urine LR	DOA250	R1 1x42 mL R2 1x16 mL
Benzodiazepines urine LR	DOA300	R1 1x42 mL R2 1x16 mL
Cocaine metabolite urine LR	DOA350	R1 1x42 mL R2 1x16 mL
Ecstasy (MDMA) urine LR	DOA450	R1 2x21 mL R2 2x8 mL
Methadone urine Lr	DOA500	R1 1x42 mL R2 1x16 mL
Opiates urine LR	DOA550	R1 1x42 mL R2 1x16 mL
THC (Cannabis) urine LR	DOA750	R1 1x42 mL R2 1x16 mL
Multicalibrator drugs for urine (AMP/COC/MTD/OPI/BAR)	DOAMCL	5 LEV x10 mL
Cannabinoid Calibrator for urine	D750MCL	5 LEV 5x4 mL
Ecstasy (MDMA) Calibrator for urine	DO450MCL	5 LEV 5x10 mL
Benzodiazepines Calibrator for urine	D300MCL	5 LEV 5x10 mL
Alcohol Calibrator/Control for urine	D100MCL	4 LEV 4x10 mL
Cannabinoid Calibrator Low Cut-off	D750CAL-L	1x4 mL
Cannabinoid Calibrator High Cut-off	D750CAL-H	1x4 mL
Ecstasy Calibrator	DO450MCL	5 LEV x10 mL
Benzodiazepines Calibrator Low Cut-off	D300CAL-L	1x10 mL
Benzodiazepines Calibrator High Cut-off	D300CAL-H	1x10 mL
Multidrug Control for Urine Low Cut-offs (AMP/COC/MTD/OPI/BAR)	DOAMCTL-L	LEV 1 2x10mL LEV 2 2x10mL
Multidrug Control for Urine High Cut-offs (AMP/COC/MTD/OPI/BAR)	DOAMCTL-H	LEV 1 2x10mL LEV 2 2x10mL
Ethyl Alcohol Low Control	D100CTL-L	1x10 mL
Ethyl Alcohol High Control	D100CTL-H	1x10 mL
Benzodiazepines Control Low Cut-off	D300CTL-L	LEV1 2x10 mL LEV 2 2x10 mL
Benzodiazepines Control High Cut-off	D300CTL-H	LEV1 2x10 mL LEV 2 2x10 mL
Ecstasy Control (500 ng/mL)	D450CTL	LEV1 2x10 mL LEV 2 2x10 mL
Cannabinoid Control Low Cut-Off (20 ng/mL)	D750CTL-L	LEV1 2x4 mL LEV 2 2x4 mL
Cannabinoid Control High Cut-Off	D750CTL-H	LEV1 2x4 mL LEV 2 2x4 mL



OEM Bulk and Concentrated Bulk Reagents

Gesan Production cares about the satisfaction of its customers. For this reason, it offers them the possibility of purchasing also semi-finished products, bulk reagents and concentrated Bulk reagents, and also non-labeled OEM reagents. Thanks to a highly specialized service, customers can identify their needs, define the level of product customization and get tailored reagents that best fit their needs.





DEDICATED SYSTEM	<i>Piccolo Chem PRO</i>			<i>Chem 200 PRO</i>	<i>Chem 300^{plus} PRO</i>	
PRODUCT	CODE	SIZE	TOT mL	CODE	SIZE	TOT mL
ALBUMIN LR	C1200610P	6x10 mL	60	C1200620A	6x20 mL	120
ALKALINE PHOSPHATASE LR	C3000630P	R1 6x24 mL R2 6x6 mL	180	C3000620A	R1 6x16 R2 6x4 mL	120
				C3000650A	R1 6x40 R2 6x10 mL	300
AMYLASE LR	C1400610P	6x10 mL	60	C1400610A	6x10 mL	60
PANCREATIC AMYLASE LR	C1450150P	R1 2x20 mL R2 1x10 mL	50	C1450150A	R1 1x40 mL R2 1x10 mL	50
TOTAL BILE ACIDS LR	C1100140P	R1 1x30 mL R2 1x10 CAL 1x2 mL	40	C1100140A	R1 1x30 mL R2 1x10 CAL 1x2 mL	40
TOTAL BILIRUBIN LR	C1600630P	R1 6x24 mL R2 6x6 mL	180	C1600620A	R1 6x16 mL R2 6x4 mL	120
				C1600650A	R1 6x40 mL R2 6x10 mL	300
DIRECT BILIRUBIN LR	C1700630P	R1 6x24 mL R2 6x6 mL	180	C1700620A	R1 6x16 mL R2 6x4 mL	120
				C1700650A	R1 6x40 mL R2 6x10 mL	300
CALCIUM ARSENazo LR	C1850630P	6x30 mL	180	C1850650A	6x50 mL	300
CHLORIDE LR	C2100610P	6x10 mL	60	C2100620A	6x20 mL	120
CHOLESTEROL MONOREAGENT LR	C2230630P	6x30 mL	180	C2230650A	6x50 mL	300
HDL DIRECT CHOLESTEROL LR	C2210240P	R1 2x30 mL R2 2x10 mL	80	C2210260A	R1 2x45 mL R2 2x15 mL	120
LDL DIRECT CHOLESTEROL LR	C2220140P	R1 1x30 mL R2 1x10 mL	40	C2220140A	R1 1x30 mL R2 1x10 mL	40
CHOLINESTERASE LR	C2500630P	R1 6x24 mL R2 6x6 mL	180	C2500420A	R1 4x16 mL R2 4x4 mL	80
CK MB LR	C1950150P	R1 2x20 mL R2 1x10 mL	50	C1950150A	R1 1x40 mL R2 1x10 mL	50
CK NAC LR	C1900630P	R1 6x24 mL R2 6x6 mL	180	C1900420A	R1 4x16 mL R2 4x4 mL	80
COPPER LR	C4600320P	R1 3x10 mL R2 3x10 mL	60	C4600330A	R1 3x15 mL R2 3x15 mL	90
CREATININE LR	C2700630P	R1 6x15 mL R2 6x15 mL	180	C2701220A	R1 6x20 mL R2 6x20 mL	240
ENZYMATIC CREATININE LR	C2710140P	R1 1x30 mL R2 1x10 mL	40	C2710140A	R1 1x30 mL R2 1x10 mL	40
				C2710180A	R1 2x30 mL R2 2x10 mL	80
DIRECT FREE CALCIUM LR	C1810130P	R1 1x20 mL R2 1x10 STD 1x5 mL	30	C1810130A	R1 1x20 mL R2 1x10 STD 1x5 mL	30
FRUCTOSAMINE LR	C3400610P	6x10 mL	60	C3400620A	6x20 mL	120
AST-GOT LR	C3700630P	R1 6x24 mL R2 6x6 mL	180	C3700650A	R1 6x40 mL R2 6x10 mL	300
ALT-GPT LR	C3800630P	R1 6x24 mL R2 6x6 mL	180	C3800650A	R1 6x40 mL R2 6x10 mL	300
GAMMA GT LR	C3500630P	R1 6x24 mL R2 6x6 mL	180	C3500620A	R1 6x16 mL R2 6x4 mL	120
				C3500650A	R1 6x40 mL R2 6x10 mL	300
GLUCOSE MONOREAGENT LR	C3650630P	6x30 mL	180	C3650650A	6x50 mL	300
GLYCATED SERUM PROTEIN - GSP				C345A	R1 2x30 mL R2 1x17 mL	77
HbA1c LR (Hight sensitivity)	C9900140P	R1 1x30 mL R2 1x10 mL	40	C9900140A	R1 1x30 mL R2 1x10 mL	40
HbA1c LR	CA9900140P	R1 1x30 mL R2 1x10 mL	40	CA9900140A	R1 1x30 mL R2 1x10 mL	40
HOMOCYSTEINE	C9910135P	R1 1x30 mL R2 1x5 CAL 2x3 mL	35	C9910135A	R1 1x30 mL R2 1x5 CAL 2x3 mL	35
IRON FERENE LR	C2900630P	R1 6x24 mL R2 6x6 mL	180	C2900650A	R1 6x40 mL R2 6x10 mL	300
LACTATE LR	C4100310P	R1 3x9 mL R2 3x9 mL (LYO)	54	C4100310A	R1 3x10 mL R2 3x10 mL	30
LDH LR	C4000630P	R1 6x24 mL R2 6x6 mL	180	C4000420A	R1 4x16 mL R2 4x4 mL	80
LIPASE LR	C4750150P	R1 2x20 mL R2 1x8	48	C4750150A	R1 1x40 mL R2 1x8	48
LITHIUM LR	C4930130P	R1 1x20 mL R2 1x10 CAL 3x1,5 mL	30	C4930130A	R1 1x20 mL R2 1x10 CAL 3x1,5 mL	30
MAGNESIUM LR	C4400610P	6x10 mL	60	C4400620A	6x20 mL	120
MAGNESIUM ENZYMATIC LR	C4410630P	R1 6x24 mL R2 6x6 mL	180	C4410520A	R1 4x20 mL R2 2x10 mL	100
PHOSPHOROUS LR	C3300610P	6x10 mL	60	C3300620A	6x20 mL	120
POTASSIUM LR	C4900610P	6x 10 mL	60	C4900620A	6x20 mL	120
				C4900650A	6x50 mL	300
SODIUM LR	C4950160P	R1 2x20 mL R2 1x20 mL CAL 2x1,5 mL	60	C4950260A	R1 2x40 mL R2 2x20 mL CAL 2x1,5 mL	120
TOTAL PROTEIN LR	C4500630P	6x 30 mL	180	C4500650A	6x50 mL	300
TRIGLYCERIDES MONOREAGENT LR	C4730630P	6x30 mL	180	C4730650A	6x50 mL	300
UREA UV LR	C4800630P	R1 6x24 mL R2 6x6 mL	180	C4800650A	R1 6x40 mL R2 6x10 mL	300
URIC ACID LR	C1000630P	R1 6x24 mL R2 6x6 mL	180	C1000650A	R1 6x40 mL R2 6x10 mL	300
URINARY PROTEIN LR	C4550610P	R1 6x10 mL STD 5 mL	60	C4550620A	R1 6x20 mL STD 5 mL	120



DEDICATED SYSTEM	<i>Piccolo Chem PRO</i>			<i>Chem 200 PRO</i>	<i>Chem 300^{plus} PRO</i>	
PRODUCT	CODE	SIZE	Total mL	CODE	SIZE	Total mL
ASO LR	C7000150P	R1 2x20 mL R2 1x10 mL CAL 1x1 mL	50	C7000150SA	R1 1x40 mL R2 1x10 mL CAL 1x1 mL	50
CRP LR	C7100150P	R1 2x20 mL R2 1x10 mL CAL 1x1 mL	50	C7100150A	R1 1x40 mL R2 1x10 mL CAL 1x1 mL	50
				C7101100A	R1 2x40 mL R2 2x10 mL CAL 1x1 mL	100
CRP ANTISERUM LR	CA710P	R1 2x25 R2 1x5 mL	55	CA710A	R1 1x50 mL R2 1x5 mL	55
RF LR	C7200150P	R1 2x20 mL R2 1x10 mL CAL 1x2 mL	50	C7200150SA	R1 1x40 mL R2 1x10 mL CAL 1x2 mL	50
				C7201100SA	R1 2x40 mL R2 2x10 mL CAL 1x2 mL	100
IgA LR	C9000150P	R1 2x20 mL R2 1x10 mL	50	C9000150A	R1 1x40 mL R2 1x10 mL	50
IgE LR	C9150130P	R1 1x20 mL R2 1x10 mL	30	C9150130A	R1 1x20 mL R2 1x10 mL	30
IgG LR	C9100150P	R1 2x20 mL R2 1x10 mL	50	C9100150A	R1 1x40 mL R2 1x10 mL	50
IgM LR	C9200150P	R1 2x20 mL R2 1x10 mL	50	C9200150A	R1 1x40 mL R2 1x10 mL	50
C3LR	C9300150P	R1 2x20 mL R2 1x10 mL	50	C9300150A	R1 1x40 mL R2 1x10 mL	50
C4 LR	C9400150P	R1 2x20 mL R2 1x10 mL	50	C9400150A	R1 1x40 mL R2 1x10 mL	50
ALPHA 1 GLYCOPROTEIN ACID LR	C9500150P	R1 2x20 mL R2 1x10 mL	50	C9500150A	R1 1x40 mL R2 1x10 mL	50
ANTITHROMBIN III LR	C9840150P	R1 2x20 mL R2 1x10 mL	50	C9840150A	R1 1x40 mL R2 1x10 mL	50
B - 2 MICROGLOBULIN LR	C9820150P	R1 2x22 mL R2 1x10 mL CAL 1x1 mL	50	C9820150A	R1 1x40 mL R2 1x10 CAL 1x1mL	50
KAPPA CHAIN LR	C9880150P	R1 2x25 mL R2 1x5 mL	55	C9880150A	R1 2x25 mL R2 1x5 mL	55
LAMBDA CHAIN LR	C9890150P	R1 2x25 mL R2 1x5 mL	55	C9890150A	R1 2x25 mL R2 1x5 mL	55
Lp(a) LR	C9850124P	R1 1x20 mL R2 1x4 mL	24	C9850124A	R1 1x20 mL R2 1x4 mL	24
FERRITIN LR	C975HP	R1 4x25 mL R2 3x7 mL	121	C975HA	R1 2x50 mL R2 3x7 mL	121
TRANSFERRIN LR	C9800150P	R1 2x20 mL R2 1x10 mL	50	C9800150A	R1 1x40 mL R2 1x10 mL	50
MICROALBUMIN LR	C9950150P	R1 2x20 mL R2 1x10 mL CAL 1x1 mL	50	C9950150A	R1 1x40 mL R2 1x10 mL CAL 1x1 mL	50
ALCOHOL URINE	DOA100P	R1 2x21 mL R2 1x16 mL	58	DOA100A	R1 1x42 mL R2 1x16 mL	58
AMPHETAMINE URINE LR	DOA200P	R1 2x21 mL R2 1x16 mL	58	DOA200A	R1 1x42 mL R2 1x16 mL	58
BARBITURATES URINE LR	DOA250P	R1 2x21 mL R2 1x16 mL	58	DOA250A	R1 1x42 mL R2 1x16 mL	58
BENZODIAZEPINES URINE LR	DOA300P	R1 2x21 mL R2 1x16 mL	58	DOA300A	R1 1x42 mL R2 1x16 mL	58
COCAINE METABOLITE URINE LR	DOA350P	R1 2x21 mL R2 1x16 mL	58	DOA350A	R1 1x42 mL R2 1x16 mL	58
ECSTASY (MDMA) URINE LR	DOA450P	R1 2x21 mL R2 2x8 mL	58	DOA450A	R1 2x21 mL R2 2x8 mL	58
METHADONE URINE LR	DOA500P	R1 2x21 mL R2 1x16 mL	58	DOA500A	R1 1x42 mL R2 1x16 mL	58
OPIATES URINE LR	DOA550P	R1 2x21 mL R2 1x16 mL	58	DOA550A	R1 1x42 mL R2 1x16 mL	58
THC (CANNABIS) URINE LR	DOA750P	R1 2x21 mL R2 1x16 mL	58	DOA750A	R1 1x42 mL R2 1x16 mL	58
SYSTEMIC SOLUTION	C6000630P	6x30 mL	180	C6000650A	6x50 mL	300
EXTRA WASH CHEM SOLUTION "DP"	C6320630P	6x30 mL	180	C6320650A	6x50 mL	300



DEDICATED KITS		Chem 400 PRO	
PRODUCT	CODE	SIZE	TOT mL
ALBUMIN LR	C1201220D	12x20 mL	240
ALKALINE PHOSPHATASE LR	C3000675D	R1 6x59 mL R2 6x17 mL	456
	C3001070D	R1 8x63 mL R2 2x73 mL	650
AMYLASE LR	C1401220D	12x20 mL	240
PANCREATIC AMYLASE LR	C1450150D	R1 1x40 mL R2 1x10 mL	50
TOTAL BILE ACIDS LR	C1100140D	R1 1x28 mL R2 1x12 CAL 1x2 mL	40
TOTAL BILIRUBIN LR	C1600650D	R1 6x40 mL R2 6x10 mL	300
	C1601070D	R1 8x63 mL R2 2x73 mL	650
DIRECT BILIRUBIN LR	C1700650D	R1 6x40 mL R2 6x10 mL	300
	C1701070D	R1 8x63 mL R2 2x73 mL	650
CALCIUM ARSENAZO LR	C1851220D	12x20 mL	240
	C1850970D	9x70 mL	630
CHLORIDE LR	C2101020D	10x20 mL	200
CHOLESTEROL MONOREAGENT LR	C2230970D	9x70 mL	630
HDL DIRECT CHOLESTEROL LR	C2210280D	R1 2x60 mL R2 2x20 mL	160
	C2210470D	R1 3x70 mL R2 2x35 mL	280
LDL DIRECT CHOLESTEROL LR	C2220140D	R1 1x30 mL R2 1x10 mL	40
	C2220180D	R1 1x60 mL R2 1x20 mL	80
CHOLINESTERASE LR	C2500625D	R1 6x20 mL R2 3x11 mL	153
	C2500650D	R1 6x40 mL R2 6x12 mL	312
	C2501070D	R1 8x63 mL R2 2x73 mL	650
CK MB LR	C1950150D	R1 1x40 mL R2 1x10 mL	50
	C1900625D	R1 6x20 mL R2 3x11 mL	153
CK NAC LR	C1900650D	R1 6x40 mL R2 6x12 mL	312
	C1901070D	R1 8x63 mL R2 2x73 mL	650
COPPER LR	C4600330D	R1 3x15 mL R2 3x15 mL	90
	C2701220D	R1 6x20 mL R2 6x20 mL	240
CREATININE LR	C2700870D	R1 4x70 mL R2 4x70 mL	560
ENZYMATIC CREATININE LR	C2710660D	R1 6x45 mL R2 6x15 mL	360
DIRECT FREE CALCIUM LR	C1810140D	R1 1x21 mL R2 1x12 mL R3 1x5.5 mL STD 1x5 mL	38
FRUCTOSAMINE LR	C3401020D	10x20 mL	200
ALT-GPT LR	C3800675D	R1 6x59 mL R2 6x17 mL	456
	C3801070D	R1 8x63 mL R2 2x73 mL	650
AST-GOT LR	C3700675D	R1 6x59 mL R2 6x17 mL	456
	C3701070D	R1 8x63 mL R2 2x73 mL	650
GAMMA GT LR	C3500675D	R1 6x59 mL R2 6x17 mL	456
	C3501070D	R1 8x63 mL R2 2x73 mL	650
GLUCOSE MONOREAGENT LR	C3650970D	9x70 mL	630
GLYCATED SERUM PROTEIN - GSP	C3456D	R1 1x45 mL R2 1x14 mL	59
HbA1c LR	C9900380D (HS)	R1 1x56 mL R2 1x20 Lyse 3x100 mL	76
	CA9900380D	R1 1x56 mL R2 1x20 mL	76
HOMOCYSTEINE LR	C9910135D	R1 1x31 mL R2 1x5 mL STD 2x3 mL	36
IRON FERENE LR	C2900650D	R1 6x40 mL R2 6x10 mL	300
	C2901070D	R1 8x63 mL R2 2x73 mL	650
LACTATE	C4100310D	R1 3x10 mL R2 3x10 mL (LYO)	30
LDH LR	C4000625D	R1 6x20 mL R2 3x11 mL	153
	C4000650D	R1 6x40 mL R2 6x12 mL	312
LIPASE LR	C4750150D	R1 1x40 mL R2 1x8 mL STD 1x1 mL	48
LITHIUM LR	C4930230D	R1 1x40 mL R2 1x20 mL STD 3x1,5 mL	60
MAGNESIUM LR	C4401220D	12x20 mL	240



DEDICATED KITS		Chem 400 PRO	
PRODUCT	CODE	SIZE	TOT mL
MAGNESIUM UV ENZYMATIC LR	C4411020D	R1 8x20 mL R2 2x20 mL	200
PHOSPHOROUS LR	C3301220D	12x20 mL	240
POTASSIUM LR	C4901220D	12x20 mL	252
TOTAL PROTEIN LR	C4500970D	9x70 mL	630
TRIGLYCERIDES MONOREAGENT LR	C4730970D	9x70 mL	630
UREA UV LR	C4800675D	R1 6x60 mL R2 6x15 mL	450
	C4801070D	R1 8x60 mL R2 2x60 mL	600
URIC ACID LR	C1000675D	R1 6x59 mL R2 6x17 mL	456
URINARY PROTEIN LR	C4551220D	R1 12x20 mL STD 5 mL	240
ASO LR	C7000150SD	R1 1x60 mL R2 1x13 mL CAL 1 mL	73
CRPLR	C7100150D	R1 1x56 mL R2 1x19 mL CAL 2 mL	75
	C7101100D	R1 2x56 mL R2 2x19 mL CAL 2 mL	150
CRP ANTISERUM LR	CA710D	R1 1x70 mL R2 1x10 mL	80
RF LR	C7200150SD	R1 1x56 mL R2 1x19 mL CAL 2 mL	77
	C7201100SD	R1 2x56 mL R2 2x19 mL CAL 2 mL	152
IgA LR	C9000150D	R1 1x40 mL R2 1x10 mL	50
IgE LR	C9150130D	R1 1x20 mL R2 1x10 mL	30
IgG LR	C9100150D	R1 1x40 mL R2 1x10 mL	50
IgM LR	C9200150D	R1 1x40 mL R2 1x10 mL	50
C3 LR	C9300150D	R1 1x40 mL R2 1x10 mL	50
C4 LR	C9400150D	R1 1x40 mL R2 1x10 mL	50
ALPHA -1 GLYCOPROTEIN ACID LR	C9500150D	R1 1x40 mL R2 1x10 mL	50
ANTITHROMBIN III LR	C9840150D	R1 1x40 mL R2 1x10 mL	50
B -2 MICROGLOBULIN	C9820150D	R1 1x40 mL R2 1x10 mL CAL 1 mL	50
KAPPA CHAIN LR	C9880150D	R1 2x25 mL R2 1x5 mL	55
LAMBDA CHAIN LR	C9890150D	R1 2x25 mL R2 1x5 mL	55
Lp(a) LR	C9850124D	R1 1x20 mL R2 1x4 mL	24
FERRITIN LR	C975HD	R1 2x50 mL R2 3x7 mL	121
TRANSFERRIN LR	C9800150D	R1 1x40 mL R2 1x10 mL	50
MICROALBUMIN LR	C9950150D	R1 1x40 mL R2 1x10 mL CAL 1x1 mL	50
ALCOHOL URINE	DOA100D	R1 1x42 mL R2 1x16 mL	58
AMPHETAMINE URINE LR	DOA200D	R1 1x42 mL R2 1x16 mL	58
BARBITURATES URINE LR	DOA250D	R1 1x42 mL R2 1x16 mL	58
BENZODIAZEPINES URINE LR	DOA300D	R1 1x42 mL R2 1x16 mL	58
COCAINE METABOLITE URINE LR	DOA350D	R1 1x42 mL R2 1x16 mL	58
ECSTASY (MDMA) URINE LR	DOA450D	R1 2x21 mL R2 2x8 mL	58
METHADONE URINE LR	DOA500D	R1 1x42 mL R2 1x16 mL	58
OPIATES URINE LR	DOA550D	R1 1x42 mL R2 1x16 mL	58
THC (CANNABIS) URINE LR	DOA750D	R1 1x42 mL R2 1x16 mL	58
ANTIBACTERIAL DETERGENT	C6100960D	8x63 mL	504
ALKALINE DETERGENT	C6302000D	1x2000 mL	2000
ACID DETERGENT	C6200500D	1x500 mL	500



DEDICATED SYSTEM Packs for Veterinary



VET DEDICATED SYSTEM				<i>Piccolo Chem^{Vet} PRO</i>			<i>Chem 200^{Vet} PRO</i>		
PRODUCT	CODE	SIZE	Total mL	CODE	SIZE	Total mL	CODE	SIZE	Total mL
ALBUMIN LR	P1200110V	1x10 mL	10	C1200150V	1x50 mL	50			
ALKALINE PHOSPHATASE LR	P3000130V	R1 1x24 mL R2 1x6 mL	30	C3000120V	R1 1x16 mL R2 1x4 mL	20			
				C3000150V	R1 1x40 mL R2 1x10 mL	50			
AMYLASE LR	P1400110V	1x10 mL	10	C1400110V	1x10 mL	10			
TOTAL BILE ACIDS LR	P1100140V	R1 1x30 mL R2 1x10 mL CAL 1x2 mL	40	C1100140V	R1 1x30 mL R2 1x10 mL CAL 1x2 mL	40			
TOTAL BILIRUBIN LR	P1600130V	R1 1x24 mL R2 1x6 mL	30	C1600120V	R1 1x16 mL R2 1x4 mL	20			
				C1600150V	R1 1x40 mL R2 1x10 mL	50			
DIRECT BILIRUBIN LR	P1700130V	R1 1x24 mL R2 1x6 mL	30	C1700120V	R1 1x16 mL R2 1x4 mL	20			
				C1700150V	R1 1x40 mL R2 1x10 mL	50			
CALCIUM ARSENAZO LR	P1850130V	1x30 mL	30	C1850120V	1x20 mL	20			
				C1850150V	1x50 mL	50			
CHLORIDE LR	P2100110V	1x10 mL	10	C2100120V	1x20 mL	20			
CHOLESTEROL MONOREAGENT LR	P2230130V	1x30 mL	30	C2230150V	1x50 mL	50			
HDL DIRECT CHOLESTEROL LR	P2210120V	R1 1x15 mL R2 1x5 mL	20	C2210120V	R1 1x15 mL R2 1x5 mL	20			
LDL DIRECT CHOLESTEROL LR	P2220120V	R1 1x15 mL R2 1x5 mL	20	C2220120V	R1 1x15 mL R2 1x5 mL	20			
CHOLINESTERASE LR	P2500130V	R1 1x24 mL R2 1x6 mL	30	C2500120V	R1 1x16 mL R2 1x4 mL	20			
CK NAC LR	P1900130V	R1 1x24 mL R2 1x6 mL	30	C1900120V	R1 1x16 mL R2 1x4 mL	20			
				C1900150V	R1 1x40 mL R2 1x10 mL	50			
COPPER LR	P4600120V	R1 1x10 mL R2 1x10 mL	20	C4600130V	R1 1x15 mL R2 1x15 mL	30			
CREATININE LR	P2700130V	R1 1x15 mL R2 1x15 mL	30	C2700210V	R1 1x10 mL R2 1x10 mL	20			
				C2700250V	R1 1x50 mL R2 1x50 mL	100			
FRUCTOSAMINE	P3400110V	1x10 mL	10	C3400110V	1x10 mL	10			
AST-GOT LR	P3700130V	R1 1x24 mL R2 1x6 mL	30	C3700120V	R1 1x16 mL R2 1x4 mL	20			
				C3700150V	R1 1x40 mL R2 1x10 mL	50			
ALT-GPT LR	P3800130V	R1 1x24 mL R2 1x6 mL	30	C3800120V	R1 1x16 mL R2 1x4 mL	20			
				C3800150V	R1 1x40 mL R2 1x10 mL	50			



DEDICATED SYSTEM Packs for Veterinary



VET DEDICATED SYSTEM	<i>Piccolo Chem^{Vet} PRO</i>			<i>Chem 200^{Vet} PRO</i>		
PRODUCT	CODE	SIZE	Total mL	CODE	SIZE	Total mL
GAMMA GT LR	P3500130V	R1 1x24 mL R2 1x6 mL	30	C3500120V	R1 1x16 mL R2 1x4 mL	20
				C3500150V	R1 1x40 mL R2 1x10 mL	50
GLUCOSE MONOREAGENT LR	P3650130V	1x30 mL	30	C3650150V	1x50 mL	50
IRON FERENE LR	P2900130V	R1 1x24 mL R2 1x6 mL	30	C2900120V	R1 1x16 mL R2 1x4 mL	20
				C2900150V	R1 1x40 mL R2 1x10 mL	50
LACTATE	P4100130V	R1 1x10 mL R2 1x10 mL (LYO)	10	C4100110V	R1 1x10 mL R2 1x10 mL (LYO)	10
LDH LR	P4000130V	R1 1x24 mL R2 1x6 mL	30	C4000120V	R1 1x16 mL R2 1x4 mL	20
				C4000150V	R1 1x40 mL R2 1x10 mL	50
LIPASE LR	P4750150V	R1 2x20 mL R2 1x8 mL	48	C4750150V	R1 1x40 mL R2 1x8 mL	48
MAGNESIUM LR	P4400110V	1x10 mL	10	C4400120V	1x20 mL	20
				C4400150V	1x50 mL	50
PHOSPHOROUS LR	P3300110V	1x10 mL	10	C3300120V	1x20 mL	20
				C3300150V	1x50 mL	50
POTASSIUM LR	P4900110V	1x10 mL	10	C4900120V	1x20 mL	20
SODIUM LR	P4900160V	R1 2x20mL R2 1x20mL CAL 2x1.5mL	60	C4950160V	R1 1x40 mL R2 1x20 mL CAL 2x1,5mL	60
TOTAL PROTEIN LR	P4500130V	1x 30 mL	30	C4500120V	1x20 mL	20
				C4500150V	1x50 mL	50
TRIGLYCERIDES MONOREAGENT LR	P4730130V	1x30 mL	30	C4730150V	1x50 mL	50
	P4730150V	1x50mL	50			
UREA UV LR	P4800130V	R1 1x24 mL R2 1x6 mL	30	C4800150V	R1 1x40 mL R2 1x10 mL	50
URIC ACID LR	P1000130V	R1 1x24 mL R2 1x6 mL	30	C1000150V	R1 1x40 mL R2 1x10 mL	50
URINARY PROTEIN LR	P4550110V	R1 1x10 mL STD 3 mL	10	C4550120V	R1 1x20 mL STD 1x5 mL	20
CRP VET LR	P710VET	R1 2x25 mL R2 1x5 mL	55	C710VET	R1 1x50 mL R2 1x5 mL	55
PHENOBARBITAL				CTDMPHN03V	R1 2x17 mL R2 2x6 mL	46



Dedicated System for Abbott c8000 - c4000

Abbott

Architect c4000

Architect c8000

PRODUCT	CODE	SIZE
ALBUMIN	A1200625	6x25 mL
BILE ACIDS CAL	A1100140	
BICARBONATE - CO ₂ (LYO) CAL 2 ML	A1500520	
AMYLASE	A1400625	6x25 mL
PANCREATIC AMYLASE	A1450150	R1 1x42 mL R2 1x13 mL
CALCIUM ARSENAZO	A1850650	6x50 mL
CHLORIDE	A2100625	
CHOLESTEROL LR MONOREAGENT	A2230650	6x50 mL
HDL DIRECT CHOLESTEROL	A2210180	R1 2x45 mL R2 2x15 mL
LDL DIRECT CHOLESTEROL	A2220180	R1 1x30 mL R2 1x10 mL
DIBUCAINE	2600610	
CK MB	A1950130	R1 1x48 mL R2 1x12 mL
FREE (IONIZED) CALCIUM	A1810130 CAL	R1 1X20 mL R2 1x10 mL R3 1x5 mL CAL 1x5 mL
FRUCTOSAMINE	A3400625	
G6PD	A390050	
G6PDH	3900425	
GLUCOSE LR MONOREAGENT	A3650650	6x50 ML
HbA1c	A9900140	R1 1X30 mL R2 1x10 mL
HBA1C LYSE 1x100mL	990L	1X100 mL
HOMOCYSTEINE	A991S	R1 1X15 mL R2 1X2,5 mL CAL 2X1 mL
LACTATE	4100510	5x10 LYO 1X55 mL BUFFER STD 5 mL
LIPASE	A475LPS	R1 4x20 mL R2 16 STD 1X1mL
LITHIUM	A4930230	R1 2X20 mL R2 2X10 mL CAL 3X3 mL
MAGNESIUM CPC	A4400625	6X25 mL
PHOSPHOROUS	A3300625	6x25 mL
TOTAL PROTEIN	A4500650	6x50 mL
TRYGLICERIDES LR MONOREAGENT	A4730650	6x50 mL
URINARY PROTEINS	A4550620	6x20 mL STD
URINARY PROTEINS	A4550650	6x50 mL STD
25-OH VITAMIN D	250HVD	
ZINC	A4940510	R1 1x40 mL R2 1X10 mL CAL 1X5 mL



Dedicated System for Abbott c8000 - c4000

PRODUCT	CODE	SIZE
ALKALINE PHOSPHATASE	A3000650	R1 6X46 mL R2 6X14 mL
ALT-GPT	A3800650	R1 6X46 mL R2 6X14 mL
AST-GOT	A3700650	R1 6X46 mL R2 6X14 mL
CHOLINESTERASE	A2500430	R1 4X24 mL R2 2X14 mL
CK NAC	A1900430	R1 4X24 mL R2 2x14 mL
CREATININE	A2701220	R1 6x24 mL R2 6x24 mL
COPPER	A4600330	
DIRECT BILIRUBIN	A1700650	R1 6X40 mL R2 6X10 mL
GAMMA GT	A3500650	R1 6X46 mL R2 6X14 mL
IRON	A2900650	R1 6X40 mL R2 6X10 mL
LDH	A4000430	R1 4X24 mL R2 2X14 mL
MAGNESIUM UV ENZIMATIC	A4410430	R1 4X24 mL R2 2X14 mL
TOTAL BILIRUBIN	A1600650	R1 6X40 mL R2 6X10 mL
URIC ACID LR	A1000650	R1 6X46 mL R2 6X14 mL

TURBILATEX

PRODUCT	CODE	SIZE
ASO	A7000150	R1 1x46 mL R2 1x14 mL STD 1X1 mL
CRP	A7100150	R1 1x46 mL R2 1x14 mL STD 1X1 mL
RF	A7200150	R1 1x46 mL R2 1x14 mL STD 1X1 mL
MICROALBUMIN	A9950150	R1 1x40 mL R2 1x10 mL CAL 1X1 mL
IgA	A9000150	R1 1x46 mL R2 1x14 mL STD 1X1 mL
IgG	A9100150	R1 1x46 mL R2 1x14 mL STD 1X1 mL
IgE	A9150130	R1 1x20 mL R2 1x10 mL
IgM	A9200150	R1 1x46 mL R2 1x14 mL
C3	A9300150	R1 1x46 mL R2 1x14 mL
C4	A9400150	R1 1x46 mL R2 1x14 mL
Alfa1-Glicoprotein Acid	A9500150	R1 1x40 mL R2 1x10 mL
APO A1	A9600150	R1 1x40 mL R2 1x10 mL
APO B	A9700150	R1 1x40 mL R2 1x10 mL
FERRITIN	A975H	R1 2x50 mL R2 3x7 mL
TRASFERRIN	A9800150	R1 1X40 mL R2 1X10 mL
LAMBDA CHAIN	A9880150	R1 2x25 mL R2 1x5 mL
KAPPA CHAIN	A9890150	R1 2x25 mL R2 1x5 mL
β2 MICROGLOBULIN	A9820150	R1 1X40 mL R2 1X10 mL CAL 1X1 mL
ANTITHROMBIN III	A9840150	R1 1x40 mL R2 1x10 mL
LP (A)	A9850124	R1 1X20 mL R2 1X4 mL



New **PRO** Family



The Chem family is tailored to the needs of each laboratory, from the smallest to the largest one.



cCa²⁺

Colorimetric Free (Ionized) Calcium



**Universal and Exclusive Method Formulated
and Manufactured by Gesan Production**

*From Today You Can Measure Ionized Free Calcium In Every Clinical
Chemistry Analyzer*

Piccolo Chem PRO

Small outside big inside
Clinical Chemistry Autoanalyzer



System Type	Fully Automatic , Random Access , STAT sample priority
Throughput	Up to 150 tests / hour
Analysis Methods	Endpoint (Bichromatic-Differential-Sample blank), Kinetics, Fixed-Time, Turbidimetry
Calibration Curve	Linear, Non Linear, Cubic - Spline, Multi Point, Log - Logit
Sample Type	Serum , Plasma , Urine , CSF
Sample Positions	Removable Rack with 10 positions - Optional configuration with 20 sample positions
Sample Volume	2 - 300 µl
Sample Cuvettes	Tubes of 12 - 13 mm , 5 - 7 mL - Sample cups of 1 mL (cups require a metal adapter)
Sample Dilution	Yes - Automatic by software
Stat Samples	Yes
Sampling Technology	Capacitive Liquid Level Detection
Sample Barcode	Hand barcode reader included
Reagent Positions	Removable Rack with 20 Reagent positions - Optional configuration with 10 positions
Reagent Volume	2 - 350 µl
Reagent Bottles	15 mL and 35 mL
Pipetting Technology	Capacitive Liquid Level Detection
Reagent Storage	Cooling for Reagent Rack included
Reagent Barcode	Hand barcode reader included
Power Supply	100 - 240 Vac, 50 / 60 Hz, single phase with ground
Size / Weight	38 x 60 x 40 cm (W x D x H) , 19 kg

Reaction Cuvettes	4 reaction segments of 24, single use optical cuvettes, total 96
Reaction Volume	275 - 500 µl
Reaction Time	Up to 11 min
Reaction Temperature	38 °C ± 0.1 °C
Optical Source	1 halogen lamp (6 V, 10 W) with extended UV emission
Optical Range	0 - 3 Abs Linearity ±0.5% from 0.1 to 1.5 Abs
Optical Path	9.5 mm
Wavelength	8 interference filters of 340, 405, 505, 546, 578, 600, 650, 700 nm, 1 free position, 1 solid position for dark reading
Photo - Amplifier	Photoelectric detector, Signal amplifier, response range, 340 nm to 900 nm
Diluter Syringe	368 µl capacity , long-life syringe
Hydraulic System	2 self-priming peristaltic pumps (life 800 hrs), Pinch Valve
Needle Wash	Internal and external with system solution
Run / Reaction Monitor	Operation status monitor on screen
Quality Control	Levey - Jennings Graphics - Westgard Algorithm
Operator Interface	Included touch screen 10"- Intel HD Graphics 50 windows - 4 GB DDR3 SDRAM - Intel Pentium 1.6 GHz - SSD 64GB
Connections	Ethernet LAN port for LIS host communication, USB port for analyzer connection
Printer	External Printer
Environmental	16 - 30 °C, < 80 % humidity

Chem 200 PRO

Clinical Chemistry Autoanalyzer

Small, medium laboratory
Special routine,
Back-up in big laboratory
Emergency department



System Type	Fully Automatic, Random Access, STAT sample priority
Throughput	Up to 200 tests / hour
Analysis Methods	Endpoint (Bichromatic-Differential-Sample blank), Kinetics, Fixed-Time, Turbidimetry
Calibration Curve	Linear, Non Linear, Cubic - Spline, Multi Point, Log - Logit
Sample Type	Serum, Plasma, Urine, CSF
Sample Positions	Removable tray, with 60 positions - Optional 20 tubes 20 Hitachi cups = 40 positions
Sample Volume	2 - 300 µl
Sample Cuvettes	Tubes of 12 - 13 mm, 5 - 7 mL / cups of 0.5-1.5 mL (require a metal adapter) - optional 20 tubes of 12 - 16 mm / 20 cups (Hitachi type).
Sample Dilution	Yes - Automatic by software
Stat Samples	Yes
Sampling Technology	Capacitive Liquid Level Detection, needle shock sensor
Sample Barcode	Internal barcode reader (optional)
Reagent Positions	Removable Rack with 30 Reagent positions with cooling
Reagent Volume	5 - 350 µl
Reagent Bottles	20 mL and 50 mL
Pipetting Technology	Capacitive Liquid Level Detection. needle shock sensor
Reagent Storage	Cooling for Reagent Rack with independent power supply
Reagent Barcode	Hand barcode reader included
Power Supply	100-240 Vac, 50/60 Hz, single phase with ground
Size / Weight	65 x 65 x 50 cm (W x D x H), 50 kg
Reaction Cuvettes	80 washable BIONEX® cuvettes which allow approximately 20000 tests for a fully loaded rotor

Reaction Volume	210 - 400 µl
Reaction Time	Up to 11 min
Reaction Temperature	38°C ± 0.1°C
Optical Source	1 halogen lamp (6 V, 10 W) with extended UV emission
Optical Range	0-3 Abs Linearity ±0.5% from 0.1 to 1.5 Abs
Optical Path	6 mm
Wavelength	8 interference filters of 340, 405, 505, 546, 578, 600, 650, 700 nm, 1 free position, 1 solid position for dark reading
Photo - Amplifier	Photoelectric detector, Signal amplifier, response range, 340 nm to 900 nm
Diluter Syringe	368 µl capacity, long-life syringe
Hydraulic System	8 self-priming peristaltic pumps (life 800 hrs), 2 vacuum pumps, Pinch Valve
Wash Station	Needles: 6 dispensating, 6 aspiration, 1 clearing (8 step washing sequence for each cuvette). Less than 3 l/hour water consumption.
Needle Wash	Internal and external with system solution
Run/Reaction Monitor	Operation status monitor on screen
Quality Control	Levey - Jennings Graphics - Westgard Algorithm
Operator Interface	Included touch screen 10"- Intel HD Graphics 50 windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - SSD 64GB
Connections	Ethernet LAN port for LIS host communication, USB port for analyzer connection
Printer	External Printer
Environmental	16 - 30 °C, < 80 % humidity

Chem 300 PRO

Clinical Chemistry Autoanalyzer

The choice that goes double
random access
clinical chemistry analyzer



System Type	Fully Automatic, Random Access, STAT sample priority
Throughput	Up to 300 tests / hour
Analysis Methods	Endpoint (Bichromatic-Differential-Sample blank), Kinetics, Fixed-Time, Turbidimetry
Calibration Curve	Linear, Non Linear, Cubic - Spline, Multi Point, Log - Logit
Sample Type	Serum, Plasma, Urine, CSF
Sample Positions	Removable tray, with 60 positions - Optional 20 tubes 20 Hitachi cups = 40 positions
Sample Volume	2 - 300 µl
Sample Cuvettes	Tubes of 12 - 13 mm, 5 - 7 mL / cups of 0.5-1.5 mL (require a metal adapter) - optional 20 tubes of 12 - 16 mm / 20 cups (Hitachi type).
Sample Dilution	Yes - Automatic by software
Stat Samples	Yes
Sampling Technology	Capacitive Liquid Level Detection, needle shock sensor
Sample Barcode	Internal barcode reader
Reagent Positions	2 Removable and Refrigerated Rack with 30 - 30 = 60 Reagent positions
Reagent Volume	5 - 350 µl
Reagent Bottles	20 mL and 50 mL
Pipetting Technology	Capacitive Liquid Level Detection. Needle shock sensor
Reagent Storage	Cooling for both Reagent Rack with independent power supply
Reagent Barcode	Hand barcode reader included
Power Supply	100 - 240 Vac, 50 / 60 Hz, single phase with ground
Size / Weight	93 x 74 x 60 cm (W x D x H), 75 kg

Reaction Cuvettes	80 washable BIONEX® cuvettes which allow approximately 20000 tests for a fully loaded rotor
Reaction Volume	210 - 400 µl
Reaction Time	Up to 11 min
Reaction Temperature	38°C ± 0.1°C
Optical Source	1 halogen lamp (6 V, 10 W) with extended UV emission
Optical Range	0 - 3 Abs Linearity ±0.5% from 0.1 to 1.5 Abs
Optical Path	6 mm
Wavelength	8 interference filters of 340, 405, 505, 546, 578, 600, 650, 700 nm, 1 free position, 1 solid position for dark reading
Photo - Amplifier	Photoelectric detector, Signal amplifier, response range, 340 nm to 900 nm
Diluter Syringe	368 µl capacity, long-life syringe
Hydraulic System	8 self-priming peristaltic pumps (life 800 hrs), 2 vacuum pumps Pinch Valve
Wash Station	Needles: 5 dispensating, 6 aspiration, 1 clearing (7 step washing sequence for each cuvette). Less than 3 l/hour water consumption.
Needle Wash	Internal and external with system solution
Run / Reaction Monitor	Operation status monitor on screen
Quality Control	Levey - Jennings Graphics - Westgard Algorithm
Operator Interface	Included touch screen 10"- Intel HD Graphics 50 windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - SSD 64GB
Connections	Ethernet LAN port for LIS host communication, USB port for analyzer connection
Printer	External Printer
Environmental	16 - 30 °C, < 80% humidity

Chem 400 PRO

Auto Chemistry Analyzer



Overall performance

<u>Equipment type</u>	Fully automatic discrete, STAT priority
<u>Analysis rate</u>	Constant speed 4000T/H or 800T/H with ISE
<u>Test principle</u>	Colorimetry, turbidimetry, ISE
<u>Analysis method</u>	End-point, kinetics, fixed-time, etc. support single / double wavelength and 1-4 multiple reagent item, linear and non linear calibration
<u>Simultaneous analysis item</u>	88 colorimetric items and 3 ISE items (K, Na Cl optional)

Sample unit

<u>Sample position</u>	115 sample positions, including 50 routine sample positions, 20 stat positions, 34 calibration positions, 8 QC positions, 3 wash soltion positions. Continuously cooling at calibration and QC positions to keep 5-15°C within 24 hours.
<u>Sample cuveties specification</u>	Standard cup, original blood tube, multi-specification tube available (Ø 12-16 mm x (25-10) mm
<u>Sample barcode</u>	12of5, code 128, code 39, UPC/EAN, code 93
<u>Sample volume</u>	2 µl - 35 µl, 0,1 µlstepping
<u>Sampling technology</u>	Liquid level detection clot detection and collision detection
<u>Sample probe carryng rate</u>	Automatic warm water cleaning. Carryng rates ≤ 0,1%
<u>Automatic sample dilution</u>	3~170 items

Reagent unit

<u>Reagent probe</u>	2, with the function of liquid level detection and collision detection
<u>Reagent volume</u>	20 µl - 350 µl, 1 µl stapping
<u>Reagent position</u>	Double reagent disk, 45x2, continuous 5-15°C cooling within 24 hours, loading 70 mL and 20 mL standard reagent kit
<u>Reagent barcode</u>	Code 128
<u>Reagent probe carryng rate</u>	Automatic warm water cleaning. Carryng rates ≤ 0,1%

Reaction unit

<u>Reaction cuvette</u>	120 positions opticalplasti cup, optical diameter is 6 mm
<u>Total volume of reaction liquid</u>	150 µl ~ 450 µl
<u>Reaction time</u>	Random setting within 3~15 minutes
<u>Reaction temperature</u>	37°C. ± 0,1°C
<u>Reactant disk costant temperature</u>	Circulating water
<u>Mixing needle</u>	2, after joining reagent, blending immediately
<u>Reaction cuvette cleaning</u>	7 stops, 11 steps by warm water rinsing
<u>Wastewater treatment</u>	Two diffuence for high and low concentration waste water. With the function of concentrated waste liquid level alarming

Optical system

<u>Light source</u>	20W / 12V halogen lamps. Life is 2000 hours
<u>Monocromator</u>	Grating photometry
<u>Photoelectron road</u>	After spectrophotometry
<u>Wavelength</u>	340 nm, 380 nm, 405 nm, 450 nm, 480 nm, 505 nm, 546 nm, 570 nm, 600 nm, 660 nm, 700 nm, 800 nm,
<u>Detector</u>	Photodiode led array
<u>OD linear range</u>	0 - 3,3 Abs

Calibration and QC

<u>Calibration method</u>	1 point linear method, 2 point linear method, multiple point linear method, non-linear method
<u>Calibration tracking</u>	Automatic description calibration K-value trends
<u>QC metod</u>	Real time QC, days QC and day QC
<u>Out of control processing</u>	Alarming for out of control sample, record lost control reason

Operating system

<u>Pc operating system</u>	Windows XP
<u>Analysis control software</u>	English version graphical operating software
<u>Main function of software</u>	Automatic calibration, automatic barcode scanning, item compounding test, reagent info management, serum index, whole reaction process monitoring, dirty cup memory evading, prevent cross-contamination procedure, patient information memory and association input, automatic report audit, data multiple parameter query, report format statistic and printing, reference range classification, alarming information classification, user operating right classification, automatic dormancy and wake, real-time online help.
<u>Report printing</u>	Report format support the user-defined mode, QC and state information etc.
<u>PC configuration</u>	CPU ≥ 2.2 GHz (dual core processor); Memory ≥ 1 G; Hard Disk ≥ 160 G; 17 inch LCD display; stylus, inkjet or laser printer (optional)
<u>System connection</u>	TCP/IP network connection, standard RS-232C

Others

<u>Power supply</u>	Voltage AC 220V ± 22V, 50 Hz ± 1Hz, power 2KVA
<u>Peak water consumption</u>	≤ 25 L/H

Chem 100

Semi-automatic biochemistry analyzer

Touch screen



PHOTOMETRIC SYSTEM

Light source:

6V 10W long-life halogen lamp

Filters:

340, 405, 492, 510, 546, 578, 620 nm;

±2 nm pass-band

THERMOSTATIC CONTROL:

flow cell temperature: 37° C,

peltier elements

Precision: ± 0.1° C

MEASURING SYSTEM:

Measuring range: 0 - 3.000 O.D.

Photometric linearity: 0.2A~0.5±5%, 0.5A~1.0A

±4%, 1.0A~1.5A±2%

Photometric accuracy:

±1% from 0 to 3.000 O.D.

READING CUVETTE:

32 µl quartz glass flow trough cell

400 µl microcuvette

1000 µl microcuvette

Clot 1000

Smart Solution for Laboratories COAGULATION SYSTEM



Clot 1000 is a semiautomated coagulometer; a high performance analyzer with photo-optical clot detection. It performs PT, A-PTT and Clauss Fibrinogen. The analyzer has a highly sensitive photometer with a light source provided by a solid state three wave-length emitter at 460 nm, 510 nm and 630 nm which ensures accurate and precise results.

SAMPLE

16 SAMPLES at 37°C

REAGENTS

2 2 POSITIONS - 2 at 37°C - 2 at room temperature

REACTION VOLUME

from 150ul to 450ul max

SAMPLE VOLUME

MINIMUM 50ul

TEMPERATURE CONTROL

DIGITAL CONTROLLED

PERFORMED TESTS

PT, APTT, FIBRINOGEN

PHOTOMETER

TRIPLE WAVELENGTH 460nm, 510nm, 630nm

PHOTOMETER ACCURACY

HIGH LINEARITY /- 0,5% F.S.

KEYBOARD

ALPHANUMERIC KEYBOARD

DISPLAY

LCD-Graphic module 128x64 Pixel

INTERFACE

BLUETOOTH - optional

COMPUTER

INTERNAL 30 mps u PROCESSOR

POWER REQUIREMENT

INPUT 12VOLT DC power supply

DIMENSION

H. 8cm / 3,1inch - W. 19 cm / 7,4 inch -
L. 21cm / 8,2 inch

WEIGHT

1 Kg - 2,20 Lb

PRINTER

BLUETOOTH optional

Piccolo Chem Vet

PRO

Small outside big inside

The New Automatic Analyzer of Veterinary Clinical Chemistry



OPERATION

Clinical chemistry and turbidimetry
Random access, STAT
Open channels with barcode bottles
Up to 150 tests / hour
Automatic startup

SAMPLES TRAY

Removable tray, 10 numbered
positions, tubes of 12 - 13 mm, 5 - 7
mL / cups of 1 mL (cups require a metal
adapter for level detection) Optional
configuration: 10 reagent positions and
20 sample positions

DEDICATED BARCODED REAGENTS

- Ready to use
- 20 reagent positions

EXCELLENT USER INTERFACE

- Automatic check of reagents, expiry
dates, calibration, maintenance,
controls
- Test inspection for reaction check and
test details
- Fully automated maintenance
procedure
- Touch screen technology
- Intuitive software on Windows Net-
Framework bases
- Online remote support

- **Single test and emergency performances**
- **Profile creations: general, pre-operation,
post- operation, hepatic, renal, metabolic etc.**
- **No limited number for animal types**
- **No waste of reagents**
- **Customizable reports for animal species**

Chem 200 *Vet*

PRO

Clinical Chemistry Autoanalyzer

Small, medium veterinary clinics and Hospitals,
Special routine, Back-up in big service laboratory



System overview

a. OPERATION

- Clinical chemistry and turbidimetry
- Random access, STAT
- Open channels with barcoded bottles
- Up to **200 tests / hour**

b. CONTINUOUS SAMPLE LOADING

- 1 sampling needle
- 60 positions
- Pause mode for reagent and sample adding during test execution

c. DEDICATED BARCODED REAGENTS

- Ready to use
- Validated by correlation studies
- 30 reagent positions
- Refrigerate and removable rack

d. REACTION

- 8-step cuvette wash station
- Less than 2 l / h water consumption
- Separate containers for normal and high contaminated waste
- 1 sampling needle
- Needle shock and capacitive liquid level detector

e. EXCELLENT USER INTERFACE

- Automatic check of reagents, expiry dates, calibration, maintenance, controls
- Test inspection for reaction check and test details
- Fully automated maintenance procedure
- Touch screen technology
- Intuitive software on Windows Net-Framework bases
- Online remote support

Fecal Panel

A quantitative immundiagnostic method

FOB

Calprotectin

Transferrin

Pancreatic elastase

H. pylori





H. pylori Turbidimetric

With Gesan **H. pylori Turbidimetric** it is possible to perform a rapid, simple screening which determines the presence or absence of the bacteria in the patient's stomach.

Helicobacter pylori (H. pylori) is a bacteria in helical bacillus shape, found in the human gastric epithelium in more than 50% of the global population.

There is significant correlation between the presence of this bacteria in the stomach and certain gastrointestinal diseases, including gastritis, gastroduodenal peptic ulcers, gastric carcinoma and mucosa-associated lymphoid tissue (MALT) lymphoma. In particular, the presence of H. pylori in the stomach is indicated as a fundamental etiological factor of gastric cancer.



Transferrin Turbidimetric

Gesan Transferrin Turbidimetric is a non-invasive immunological test which can be used as a complement in the detection of FOBT. Together with **FOB Turbidimetric**, it is a sensitive specific tool for the detection of neoplasms in the colon.

Transferrin, like hemoglobin, is an iron-binding protein of the free iron in blood. Its presence in feces can be linked with bleeding of the upper or lower intestinal tract, **as it remains stable after its passage through the gastrointestinal tract. This makes it the perfect complementary analyte in the detection of occult digestive bleeding.**



Pancreatic elastase Turbidimetric

Pancreatic elastase Turbidimetric is based on specific and stable monoclonal antibodies that provide the required specificity and sensibility. Moreover, as all **Turbidimetric** products are customer friendly and liquid and ready to be used.

Pancreatic elastase is produced in the acinar cells of the pancreas. A reduced level of this protein in the gastrointestinal tract is related to pancreatic insufficiency. It typically occurs as a result of progressive pancreatic damage, because of several pathological conditions.



FOB Turbidimetric

The FOB Turbidimetric reagents detect and quantify human hemoglobin, a protein present in blood which may be found in low concentration in patients' feces. This protein is sensitive to degradation in the gastrointestinal system, and therefore its use is limited to the detection of bleeding from the colon.

Bowel cancer is the second leading cause of death in the western world after cardiovascular disease. Among the different types of tumors, bowel cancer is the most frequently occurring in the adult population, considering both genders.



Calprotectin Turbidimetric

Gesan Calprotectin Turbidimetric is a non-invasive immunological assay which quantifies the calprotectin present in human feces. This simple test is able to provide quick, reliable information about the condition of the patient's inflammatory process.

Inflammatory bowel disease (IBD) has different clinical forms which may affect the whole digestive tract, but more often the colon and rectum. Its importance lies in the levels of chronicity, the frequency of relapses, hospital admissions and a not insignificant risk of bowel cancer.

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scan for contact