



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



Multi Purposes Reagents (MPR)		NOT PREMEASURED SIZE		PREMEASURED	
PRODUCT	METHOD	CODE	SIZE	CODE	SIZE
Acid Phosphatase	Colorimetric	3051802	18 x 2 ml		
		3051015	10 x 15 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 + R2 12x6 ml
		E300340130	R1 3x40 ml + R2 1x30 ml	3000650	R1 6x40 + R2 6x10 ml
Alt-Gpt Lr	Kinetic Uv Optimized IFCC	E3805100	R1 5x80 ml + R2 1x100 ml	3801230	R1 12x24 + R2 12x 6 ml
		E3800550	R1 5x40 ml + R2 1x50 ml	3800650	R1 6x40 + R2 6x10 ml
		E380340130	R1 3x40 ml + R2 1x30 ml		
		B3800250	R1 1x200 ml + R2 1x50 ml WITHOUT BOX		
		B3801500	R1 1x400 ml + R2 1x100 ml WITHOUT BOX		
		B3801250	R1 1x1000 ml + R2 1x250 ml WITHOUT BOX		
Amylase Lr	CNP G3	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 + R2 12x 6 ml
		E3700550	R1 5x40 ml + R2 1x50 ml	3700650	R1 6x40 + R2 6x10 ml
		E370340130	R1 3x40 ml + R2 1x30 ml		
		B3700250	R1 1x200 ml + R2 1x50 ml WITHOUT BOX		
		B3700500	R1 1x400 ml + R2 1x100 ml WITHOUT BOX		
		B3701250	R1 1x1000 ml + R2 1x250 ml WITHOUT BOX		
Bicarbonate - Co2 (Lyo)	Enzymatic	1500520	5x20 ml + STD 1x2 ml		
Bile Acids Lr	Enzymatic	1100140	R1 1x30 + R2 1x10 + STD 1x2 ml		
Bilirubin Total + Direct	Jendrassic-Grof Modified	1752125	T R1 1x100 ml + D R1 1x100 ml + R2 2x25 ml		
Bilirubin Total & Direct DMSO	Jendrassic-Grof Modified			1650650	T R1 3X50 + D R1 3x50 + R2 1x20 ml
				1656100	T R 6X100 + D R1 6x100 + R2 2x20 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 10x15 + R2 10x15 ml
		E1800650	R1 3x50 ml + R2 3x50 ml		
		E1800450	R1 2x50 ml + R2 2x50 ml		
		B1801500	R1 1x400 ml + R2 1x100 ml WITHOUT BOX		
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 + R2 6x10 ml
		E2200550	R1 5x40 ml + R2 1x50 ml	2206100	R1 6x80 + R2 6x20 ml
		E220340130	R1 3x40 ml + R2 1x30 ml		
Cholesterol Lr Monoreagent	CHOD-PAP	2230350	3x50 ml		
		2230650	6x50 ml		
		2236100	6x100 ml		
		B2231250	1x250 ml WITHOUT BOX		
		B2231500	1x500 ml WITHOUT BOX		
		B2231000	1x1000 ml WITHOUT BOX		
		B2232000	1x2000 ml WITHOUT BOX		
Cholinesterase Lr	Hexacyanoferrate III	E2500430	R1 4x24 ml + R2 1x24 ml	2500430	R1 4x24 + R2 4x6 ml
				2500650	R1 6x40 + R2 6x10 ml
Ck Mb Lr	Enzymatic	1950130	R1 1x24 + R2 1x6 ml		
		1950175	R1 1x60 + R2 1x15 ml		
Ck Nac Lr	Kinetic Optimized DGKC-IFCC	E1900550	R1 5x40 ml + R2 1x50 ml	1900420	R1 4x16 + R2 4x4 ml
		E1900430	R1 4x24 ml + R2 1x24 ml		
		E1900230	R1 2x24 ml R2 1x12 ml		



OPEN REAGENTS		NOT PREMEASURED SIZE		PREMEASURED	
PRODUCT	METHOD	CODE	SIZE	CODE	SIZE
Copper Lr	Di Br Paesa	E4600650	R1 3x50 ml + R2 3x50 ml	4600430	R1 4x15 ml+ R2 4x15 ml
Creatinine Lr	Jaffe'	E2706100	R1 3x100 ml + R2 3x100 ml	2701030	R1 10x15 + 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 + R2 1x10 ml		
		2710180	R1 1X60 + 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 + R2 12x6 ml
		E1700550	R1 5x40 ml + R2 1x50 ml	1700650	R1 6x40 + R2 6x10 ml
		E170340130	R1 3x40 ml + R2 1x30 ml		
Free (Ionized) Calcium	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	Nadp Uv Enzymatic	390050	SOL. A 19,5 + B 14,5 + C 14,5 ml		
G6PDH	Nadp Uv Enzymatic	3900425	4x25 ml		
Gamma Gt Lr	SZASZ	E3500550	R1 5x40 ml + R2 1x50 ml	3500650	R1 6x40 + R2 6x10 ml
		E350340130	R1 3x40 ml + R2 1x30 ml	3501230	R1 12x24 + R2 12x6 ml
Glucose Lr	GOD-POD	E3605100	R1 5x80 ml + R2 1x100 ml	3600650	R1 6x40 + R2 6x10 ml
		E3600550	R1 5x40 ml + R2 1x50 ml	3606100	R1 6x80 + R2 6x20 ml
Glucose Lr Monoreagent	GOD-POD	3650350	3x50 ml		
		3650650	6x50 ml		
		3656100	6x100 ml		
		B3651250	1x250 ml WITHOUT BOX		
		B3651500	1x500 ml WITHOUT BOX		
		B3651000	1x1000 ml WITHOUT BOX		
		B3652000	1x2000 ml WITHOUT BOX		
GSP (Glycated Serum Protein)	Enzymatic			3456GSP	R1 1x45 ml + R2 1x14 ml
HbA1 (Glycohemoglobin)	Chromatographic			2710140	R1 1X30 + R2 1x10 ml
HbA1c	Turbidimetric	9900140	R1 1x30 + R2 1x10 ml (high sensitivity)		
		A9900140	R1 1x30 + R2 1x10 ml		
HbA1c Lyse		990L	1x100 ml		
Hemoglobin	Drabkin	990HCS	4x50 ml + STD 1 ml		
Hdl Direct Cholesterol Lr	Clearance	E2210180	R1 1x60 ml + R2 1x20 ml		
		2210140	R1 1x30 + R2 1x10 ml		
Homocysteine	Enzymatic	9910135	R1 1x30 ml + R2 1x5 ml + STD 2x3 ml		
		991S	R1 1x15 ml + R2 1x2,5 ml + STD 2x1 ml		
Iron Lr	Ferene	E2905100	R1 5x80 ml + R2 1x100 ml	2901230	R1 12x24 + R2 12x6 ml
		E2900550	R1 5x40 ml + R2 1x50 ml	2900650	R1 6x40 + R2 6x10 ml
		E290340130	R1 3x40 ml + R2 1x30 ml		
		B2900250	R1 1x200 ml + R2 1x50 ml WITHOUT BOX		
		B2900500	R1 1x400 ml + R2 1x100 ml WITHOUT BOX		
		B2901250	R1 1x1000 ml + R2 1x250 ml WITHOUT BOX		
Lactate	Enzymatic	4100510	5x10 LYO/ 1x55 ml BUFFER/ STD 5 ml		
LDH Lr	Kinetic Optimized SCE	E4000550	R1 5x40 ml + R2 1x50 ml	4000420	R1 4x16 + 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 + R2 1x10 ml		
Lipase	Colorimetric	475LPS	R1 4x10 ml + R2 1x8 ml + STD 1x1 ml		
Lithium	Enzymatic	4930230	R1 2x20 + R2 2x10 + STD 3x3 ml		
		4930130	R1 1x20 + R2 1x10 + STD 3x1,5 ml		



OPEN REAGENTS		NOT PREMEASURED SIZE		PREMEASURED	
PRODUCT	METHOD	CODE	SIZE	CODE	SIZE
Magnesium Lr	Xylidiyl Blue	E4400650	6x50 ml		
		E4400630	6x30 ml		
		E4400330	3x30 ml		
Magnesium Uv Enzymatic	Enzymatic	E4410550	R1 5x40 + R2 1x50 ml	4410650	R1 6x40 + R2 6x10 ml
		E4410430	R1 4x24 + R2 1x24 ml	4410430	R1 4x24 + R2 4x6 ml
Pancreatic Amylase Lr	EPS	1450150	R1 1x40+R2 1x10		
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 + 2x1,5 ml STD		
TIBC (Total Iron Binding Capacity)	Saturation-Precipitant Carbonate-Mg	TIBC291H	R5 + R6: 100 Saturations		
		TIB291L	R5 + R6 : 50 Saturations		
Total Bilirubin Lr	Jendrassik-Grof Modified	E1605100	R1 5x80 ml + R2 1x100 ml	1601230	R1 12x24 + R2 12x6 ml
		E1600550	R1 5x40 ml + R2 1x50 ml	1600650	R1 6x40 + R2 6x10 ml
		E160340130	R1 3x40 ml + R2 1x30 ml		
Total Protein Lr	Biuret	E4506100	6x100 ml		
		E4500650	6x50 ml		
		E4500450	4 x 50 ml		
		B4501250	1x250 ml WITHOUT BOX		
		B4501500	1x500 ml WITHOUT BOX		
		B4501000	1x1000 ml WITHOUT BOX		
		B4502000	1x2000 ml WITHOUT BOX		
Triglycerides Lr	GPO-PAP	E4705100	R1 5x80 ml/ R2 1x100 ml	4700650	R16x40 + R2 6x10 ml
		E4700550	R1 5x40 ml/ R2 1x50 ml	4706100	R1 6x80+ R2 6x20 ml
Triglycerides Lr Monoreagent	GPO-PAP	4730350	3x50 ml		
		4730650	6x50 ml		
		4736100	6x100 ml		
		B4731250	1x250 ml WITHOUT BOX		
		B4731500	1x500 ml WITHOUT BOX		
		B4731000	1x1000 ml WITHOUT BOX		
		B4732000	1x2000 ml WITHOUT BOX		
Urea Berthelot	Enzymatic Colorimetric	480CBL	2x125 ml		
		480CB	4x250 ml		
Urea Uv Lr	Kinetic Uv Urease-GLDH	E4805100	R1 5x80 ml + R2 1x100 ml	4801230	R1 12x24 + R2 12x6 ml
		E4800550	R1 5x40 ml + R2 1x50 ml	4800650	R1 6x40 + R2 6x10 ml
		E480340130	R1 3x40 ml + R2 1x30 ml		
		B4800250	R1 1x200 ml + R2 1x50 ml WITHOUT BOX		
		B4800500	R1 1x400 ml + R2 1x100 ml WITHOUT BOX		
		B4801250	R1 1x1000 ml + R2 1x250 ml WITHOUT BOX		
Uric Acid Lr	Uricase POD-PAP	E1005100	R1 5x80 ml + R2 1x100 ml	1006100	R1 6x80+ R2 6x20 ml
		E1000550	R1 5x40 ml + R2 1x50 ml	1000650	R1 6x40 + R2 6x10 ml
		E100340130	R1 3x40 ml + R2 1x30 ml		
Uric Acid Lr Monoreagent	Uricase POD-PAP	1050350	3x50 ml		
		1050650	6x50 ml		
		1056100	6x100 ml		
		B1051250	1x250 ml WITHOUT BOX		
		B1051500	1x500 ml WITHOUT BOX		
		B1051000	1x1000 ml WITHOUT BOX		
		B1052000	1x2000 ml WITHOUT BOX		
Urinary Proteins Lr	Pyrogallol Red	4550630	6x30 ml + STD 1x10 ml		
		E4550650	6x50 ml + STD 1x10 ml		
Zinc	Colorimetric	4940510	R1 5x8 + R2 1x10 + STD 1x5 ml		



Clinical Chemistry Quality Control I

	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	■	■								■															■	■													
Alkaline Phosphatase	■	■																							■	■													
ALT - Gpt / AST - Got	■	■																							■	■													
Amylase / A. Pancreatic	■	■																							■	■													
Bicarbonate - CO2																								■			■												
Bile Acids																								■				■											
Calcium Ars III / CPC	■	■									■														■	■													
Chloride	■	■										■													■	■													
Cholesterol	■	■											■												■	■													
Direct HDL / LDL									■																													■	
Cholinesterase	■	■																							■	■													
Ck Nac	■	■																							■	■													
Ck - MB			■																										■										
Creatinine/Enzymatic Creatinine	■	■														■									■	■													
Copper	■	■												■											■	■													
Direct / Total Bilirubin	■	■																							■	■													
Free (Ionized) Calcium																								■							■								
Fructosamine				■																														■					
Gamma Gt	■	■																							■	■													
Glucose	■	■															■								■	■													
G6PD / G6PDH							■																												■				
GSP (Glycated Serum Protein)							■																												■				
HbA1c Direct								■																												■			
Hemoglobin Drabkin									■																														
Homocysteine																								■												■			
Iron / TIBC	■	■																■							■	■													
LDH	■	■																							■	■													
Lactate	■	■																							■	■	■												
Lipase	■	■																						■	■	■													
Lithium																								■														■	
Magnesium / UV Enz.	■	■																■							■	■													
Phosphorous	■	■																		■					■	■													
Potassium	■																								■	■													
Sodium	■																								■	■	■												■
Total protein	■	■																		■					■	■													
Triglycerides	■	■																							■	■													
Urea UV / Berthelot	■	■																■							■	■													
Uric Acid	■	■																						■		■	■												
Urinary Proteins / CSF																								■															■
Zinc	■																								■	■	■												



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	2x2 ml
CK MB Calibrator	195CAL	1x2 ml
CK MB Control	195CTL	2x2 ml
Fructosamine Calibrator	340CAL	1x1 ml
Fructosamine Control Set	340CTL	2x1 ml
GSP (Glycated Serum Protein) Calibrator	345CAL	2x1 ml
GSP (Glycated Serum Protein) Control	345CTL	2x1 ml
G6PD Calibrator	390CAL	1x2 ml
G6PD Control	390CTL	2x1 ml
Direct Free Calcium Ctl Set	181CTL	2x10 ml
HbA1c Cal Set	990CAL	4x0,5 ml
HbA1c Control Set	990CTL	4x0,5 ml
HbA1c Cal Set	A990CAL	5x1 ml
HbA1c Control Set	A990CTL	2x1 ml
Hemoglobin Drabkin Cal	990HCSCAL	1x1 ml
HDL/LDL Calibrator	5030301	3x1 ml
Homocysteine Control	991CTL	3x1,5 ml
Lipidic Control Set	505CTL	3x3 ml
Lithium Control Set	493CTL	2x3 ml
Sodium Control Set	495CTL	2x3 ml
Urinary Proteins Control	455CTL	2x10 ml

CLINICAL CHEMISTRY STANDARDS

PRODUCT	CODE	SIZE
Albumin Standard	1200610	6x10 ml
Calcium 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 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 Standard	4800610	6x10 ml

TURBILATEX		
PRODUCT	CODE	SIZE
ASO	7000150SC	R1 1x40+R2 1x10 ml
	7001100S	R1 1x80 R2 1x20 ml + STD 1x1 ml
CRP	7100150SC	R1 1x40+R2 1x10 ml
	7101100	R1 1x80+R2 1x20 + STD 1x1 ml
CRP Antiserum	AC7100155	R1 1x50+R2 1x5 ml
RF	7200150SC	R1 1x40+R2 1x10 ml
	7201100S	R1 1x80 R2 1x20 ml + STD 2 ml
Microalbumin	995L	R1 1x40+R2 1x10 ml + 1x1 cal
IgA	9000150	R1 1x40+R2 1x10 ml
IgG	9100150	R1 1x40+R2 1x10 ml
IgE	9150130	R1 1x20+R2 1x10 ml
IgM	9200150	R1 1x40+R2 1x10 ml
C3	9300150	R1 1x40+R2 1x10 ml
C4	9400150	R1 1x40+R2 1x10 ml
Alfa1 Acid Glycoprotein	9500150	R1 1x40+R2 1x10 ml
Alfa1 Antitrypsin	9830150	R1 1x40+R2 1x10 ml
Apo A1	9600150	R1 1x40+R2 1x10 ml
Apo B	9700150	R1 1x40+R2 1x10 ml
Antithrombin III	9840150	R1 1x40 + R2 1x10 ml
Ferritin	975H	R1 2x50 ml + R2 3x7 ml
Haptoglobin	9860150	R1 1x40+R2 1x10 ml
Kappa Chain	9880150	R1 2x25+R2 1x5 ml
Lambda Chain	9890150	R1 2x25+R2 1x5 ml
Lp (a)	9850124	R1 1x20+R2 1x4 ml
Transferrin	9800150	R1 1x40+R2 1x10 ml
B2 Microglobulin + STD	9820150	R1 1x40+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
Bile Acid Control Set	110CTL	2x1 ml
Crp Antiserum Calibrator	AC710CAL	1x1 ml
Crp Antiserum Control Set	AC710CTL	2x1 ml
Crp Vet Calibrator	C710VETCAL	1x1 ml
Crp Vet Control	C710VETCTL	
Ferritin Calibrator Set	975CAL	4x1 ml
Ferritin Control Set	975CTL	2x3 ml
Ige Calibrator	915CAL	1x1 ml
Ige Control	915CTL	1x2 ml
Kappa/Lambda Calibrator For Urine	988CALU	1x1 ml
Kappa/Lambda Calibrator For Serum	988CALS	1x1 ml
Kappa/Lambda Control For Serum	988CTLS	1x1 ml
Kappa/Lambda Control 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
Multiparametric Serum Protein Calibrator	905CAL	1x2 ml
Multiparametric Serum Protein Control	905CTL	1x1 ml
B2 Microglobulin Control	982CTL	1x2 ml

REAGENT



Coagulation

COAGULATION		
PRODUCT	CODE	SIZE
PT(PROTHROMBIN TIME) LIQUID-F	CG712	8x5 ml
PT(PROTHROMBIN TIME)	CG714	10x4 ml
APTT	CG702	10x4 ml
FIBRINOGEN CLAUSS	CG720	6x3 ml
PLASMA CONTROL PATHOLOGIC L	CG005L	10x1 ml
PLASMA CONTROL PATHOLOGIC H	CG005H	10x1 ml
PLASMA CONTROL N	CG004	10x1 ml
COAGULATION CALIBRATOR	CG005C	8x1 ml
COAG DILUENT	CG732	2x80 ml
COAG KAOLIN	CG736	2x20 ml



Serology

SEROLOGY		
PRODUCT	CODE	N° tests
A.S.O. LATEX SLIDE	750SA	100
C.R.P. LATEX SLIDE	760SA	100
R.F. LATEX SLIDE	770SA	100
R.P.R. CARBON 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
I.M. 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****Specialities****SPECIALTIES**

PRODUCT	CODE	SIZE
ACE	552ACE	R1 6x4,2 ml lyo + R2 2x15 ml
ACE Calibrator	552CAL	2x1 ml lyo
ACE Control Set	552CTL	2x1 ml lyo (2 LEV)
Fecal Chymotripsin	553CMT	R1 2 ml lyo + R2 100 ml
Chymotripsin Control Set	553CTL	2x1 ml (2 LEV)
Aldolase	554ALD	R1 20ml lyo + R2 2ml + R3 0,5 ml
Aldolase Calibrator	554CAL	2x1 ml lyo
Aldolase Control Set	554CTL	2x1 ml lyo (2 LEV)
Oxalic Acid	550OXA20	R1 1x10 ml + R2 1x10 ml + R3 1x2 lyo + STD
Oxalic Acid	550OXA100	R1 1x50 ml + R2 1x50 ml + R3 5x2 lyo + STD
Citric Acid	555CTA	R1 5x20 ml + R2 1x100ml + STD
Oxalic/Citric Acid Control Set	550CTL	6x5 ml (2 LEV)
Xylose Enzymatic UV	551XYL	R1 1x20 ml + R2 1x5 ml + 3x1 lyo + STD
Xylose Enzymatic UV Control set	551CTL	4x1 ml lyo (2 LEV)
Galactose UV	556GLT	R1 1x20 ml + R2 1x20 ml + R3 1x0,9 + STD
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	2 x 100 ml
OPTICAL CELL WASH	6506100	6x 100 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 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/serum/plasma	DOA100	R1 1X42 + R2 1X16 ml
Amphetamine	DOA200	R1 1X42 + R2 1X16 ml
Barbiturates urine	DOA250	R1 1X42 + R2 1X16 ml
Benzodiazepines urine	DOA300	R1 1X42 + R2 1X16 ml
Cocaine metabolite urine	DOA350	R1 1X42 + R2 1X16 ml
Ecstasy (MDMA) urine	DOA450	R1 2X21 + R2 2X8 ml
Methadone urine	DOA500	R1 1X42 + R2 1X16 ml
Opiates urine	DOA550	R1 1X42 + R2 1X16 ml
THC (Cannabis) urine	DOA750	R1 1X42 + R2 1X16 ml
Multicalibrator drugs for urine (AMP/COC/MTD/COT/OPI/BAR)	DOAMCL	5x10 ml
Cannabinoid Calibrator for urine	D750MCL	5 LEV 5x4 ml
Ecstasy 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 (20 ng/mL)	D750CAL-L	1x4 ml
Cannabinoid Calibrator High Cut-off (50 ng/mL)	D750CAL-H	1x4 ml
Ecstasy Calibrator (500 ng/mL)	D450CAL	1x10 ml
Benzodiazepines Calibrator Low Cut-off (200 ng/mL)	D300CAL-L	1x10 ml
Benzodiazepines Calibrator High Cut-off (300 ng/mL)	D300CAL-H	1x10 ml
Multidrug Control for Urine. Low Cut-off (AMP/COC/MTD/COT/OPI/BAR)	DOAMCTL-L	4x10 ml
Multidrug Control for Urine. High Cut-off (AMP/COC/MTD/COT/OPI/BAR)	DOAMCTL-H	4x10 ml
Ethyl Alcohol Control (50 ng/mL)	D100CTL-L	1x10 ml
Ethyl Alcohol Control (300 ng/mL)	D100CTL-H	1x10 ml
Benzodiazepines Control Low Cut-off (200 ng/mL)	D300CTL-L	4x10 ml
Benzodiazepines Control High Cut-Off (300 ng/mL)	D300CTL-H	4x10 ml
Ecstasy Control (500 ng/mL)	D450CTL	4x10 ml
Cannabinoid Control Low Cut-Off (20 ng/mL)	D750CTL-L	4x4 ml
Cannabinoid Control High Cut-Off (50 ng/mL)	D750CTL-H	4x4 ml

Applicative methods for different analyzers are available on customer request



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.





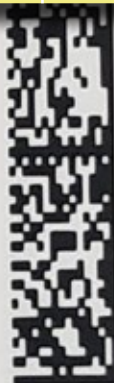
DEDICATED KITS				Piccolo Chem PRO			Chem 200 PRO			Chem 300 ^{plus} PRO		
PRODUCT	CODE	SIZE	TOT ml	CODE	SIZE	TOT ml	CODE	SIZE	TOT ml	CODE	SIZE	TOT ml
ALBUMIN	C1200610P	6x10 ml	60	C1200620A	6x20 ml	120	C1200620A	6x20 ml	120	C1200620A	6x20 ml	120
ALKALINE PHOSPHATASE	C3000630P	R1 6x24 + R2 6x6 ml	180	C3000620A	R1 6x16 + R2 6x4 ml	120	C3000650A	R1 6x40 + R2 6x10 ml	300	C3000650A	R1 6x40 + R2 6x10 ml	300
					R1 6x16 + R2 6x4 ml			R1 6x40 + R2 6x10 ml			R1 6x40 + R2 6x10 ml	
AMYLASE	C1400610P	6x10 ml	60	C1400610A	6x10 ml	60	C1400610A	6x10 ml	60	C1400610A	6x10 ml	60
PANCREATIC AMYLASE	C1450150P	R1 2x20 + R2 1x10 ml	50	C1450150A	R1 1x40 + R2 1x10 ml	50	C1450150A	R1 1x40 + R2 1x10 ml	50	C1450150A	R1 1x40 + R2 1x10 ml	50
BILE ACIDS	C1100140P	R1 1x30 + R2 1x10 + STD 1x2 ml	40	C1100140A	R1 1x30 + R2 1x10 + STD 1x2 ml	40	C1100140A	R1 1x30 + R2 1x10 + STD 1x2 ml	40	C1100140A	R1 1x30 + R2 1x10 + STD 1x2 ml	40
TOTAL BILIRUBIN	C1600630P	R1 6x24 + R2 6x6 ml	180	C1600620A	R1 6x16 + R2 6x4 ml	120	C1600650A	R1 6x40 + R2 6x10 ml	300	C1600650A	R1 6x40 + R2 6x10 ml	300
					R1 6x16 + R2 6x4 ml			R1 6x40 + R2 6x10 ml			R1 6x40 + R2 6x10 ml	
DIRECT BILIRUBIN	C1700630P	R1 6x24 + R2 6x6 ml	180	C1700620A	R1 6x16 + R2 6x4 ml	120	C1700650A	R1 6x40 + R2 6x10 ml	300	C1700650A	R1 6x40 + R2 6x10 ml	300
					R1 6x16 + R2 6x4 ml			R1 6x40 + R2 6x10 ml			R1 6x40 + R2 6x10 ml	
CALCIUM ARSENATO	C1850630P	6x30 ml	180	C1850650A	6x50 ml	300	C1850650A	6x50 ml	300	C1850650A	6x50 ml	300
CHLORIDE	C2100610P	6x10 ml	60	C2100620A	6x20 ml	120	C2100620A	6x20 ml	120	C2100620A	6x20 ml	120
CHOLESTEROL	C2230630P	6x30 ml	180	C2230650A	6x50 ml	300	C2230650A	6x50 ml	300	C2230650A	6x50 ml	300
HDL DIRECT CHOLESTEROL	C2210240P	R1 2x30 + R2 2x10 ml	80	C2210260A	R1 2x45 + R2 2x15 ml	120	C2210260A	R1 2x45 + R2 2x15 ml	120	C2210260A	R1 2x45 + R2 2x15 ml	120
LDL DIRECT CHOLESTEROL	C2220140P	R1 1x30 + R2 1x10 ml	40	C2220140A	R1 1x30 + R2 1x10 ml	40	C2220140A	R1 1x30 + R2 1x10 ml	40	C2220140A	R1 1x30 + R2 1x10 ml	40
CHOLINESTERASE	C2500630P	R1 6x24 + R2 6x6 ml	180	C2500420A	R1 4x16 + R2 4x4 ml	80	C2500420A	R1 4x16 + R2 4x4 ml	80	C2500420A	R1 4x16 + R2 4x4 ml	80
CK MB	C1950150P	R1 2x20 + R2 1x10 ml	50	C1950150A	R1 1x40 + R2 1x10 ml	50	C1950150A	R1 1x40 + R2 1x10 ml	50	C1950150A	R1 1x40 + R2 1x10 ml	50
CK NAC	C1900630P	R1 6x24 + R2 6x6 ml	180	C1900420A	R1 4x16 + R2 4x4 ml	80	C1900420A	R1 4x16 + R2 4x4 ml	80	C1900420A	R1 4x16 + R2 4x4 ml	80
COPPER	C4600320P	R1 3x10 + R2 3x10 ml	60	C4600330A	R1 3x15 + R2 3x15 ml	90	C4600330A	R1 3x15 + R2 3x15 ml	90	C4600330A	R1 3x15 + R2 3x15 ml	90
CREATININE	C2700630P	R1 6x15 + R2 6x15 ml	180	C2701220A	R1 6x20 + R2 6x20 ml	240	C2701220A	R1 6x20 + R2 6x20 ml	240	C2701220A	R1 6x20 + R2 6x20 ml	240
CREATININE ENZYMATIC	C2710140P	R1 1x30 + R2 1x10 ml	40	C2710140A	R1 1x30 + R2 1x10 ml	40	C2710180A	R1 2x30 + R2 2x10 ml	80	C2710180A	R1 2x30 + R2 2x10 ml	80
					R1 1x30 + R2 1x10 ml			R1 2x30 + R2 2x10 ml			R1 2x30 + R2 2x10 ml	
FREE (IONIZED) CALCIUM	C1810130P	R1 1x20 + R2 1x10 + STD 1x5 ml	30	C1810130A	R1 1x20 + R2 1x10 + STD 1x5 ml	30	C1810130A	R1 1x20 + R2 1x10 + STD 1x5 ml	30	C1810130A	R1 1x20 + R2 1x10 + STD 1x5 ml	30
FRUCTOSAMINE	C3400610P	6x10 ml	60	C3400620A	6x20 ml	120	C3400620A	6x20 ml	120	C3400620A	6x20 ml	120
GOT - AST	C3700630P	R1 6x24 + R2 6x6 ml	180	C3700650A	R1 6x40 + R2 6x10 ml	300	C3700650A	R1 6x40 + R2 6x10 ml	300	C3700650A	R1 6x40 + R2 6x10 ml	300
GPT - ALT	C3800630P	R1 6x24 + R2 6x6 ml	180	C3800650A	R1 6x40 + R2 6x10 ml	300	C3800650A	R1 6x40 + R2 6x10 ml	300	C3800650A	R1 6x40 + R2 6x10 ml	300
GAMMA GT	C3500630P	R1 6x24 + R2 6x6 ml	180	C3500620A	R1 6x16 + R2 6x4 ml	120	C3500650A	R1 6x40 + R2 6x10 ml	300	C3500650A	R1 6x40 + R2 6x10 ml	300
					R1 6x16 + R2 6x4 ml			R1 6x40 + R2 6x10 ml			R1 6x40 + R2 6x10 ml	
GLUCOSE	C3650630P	6x30 ml	180	C3650650A	6x50 ml	300	C3650650A	6x50 ml	300	C3650650A	6x50 ml	300
GSP - GLYCATED SERUM PROTEIN	C3456P	R1 2x22 + R2 1x14 ml	58	C3456A	R1 1x45 + R2 1x14 ml	59	C3456A	R1 1x45 + R2 1x14 ml	59	C3456A	R1 1x45 + R2 1x14 ml	59
HbA1c High sensitivity	C9900140P	R1 1x30 + R2 1x10 ml	40	C9900140A	R1 1x30 + R2 1x10 ml	40	C9900140A	R1 1x30 + R2 1x10 ml	40	C9900140A	R1 1x30 + R2 1x10 ml	40
HbA1c	CA9900140P	R1 1x30 + R2 1x10 ml	40	CA9900140A	R1 1x30 + R2 1x10 ml	40	CA9900140A	R1 1x30 + R2 1x10 ml	40	CA9900140A	R1 1x30 + R2 1x10 ml	40
HOMOCYSTEINE	C9910135P	R1 1x30 + R2 1x5 + STD 2x3 ml	35	C9910135A	R1 1x30 + R2 1x5 + STD 2x3 ml	35	C9910135A	R1 1x30 + R2 1x5 + STD 2x3 ml	35	C9910135A	R1 1x30 + R2 1x5 + STD 2x3 ml	35
IRON	C2900630P	R1 6x24 + R2 6x6 ml	180	C2900650A	R1 6x40 + R2 6x10 ml	300	C2900650A	R1 6x40 + R2 6x10 ml	300	C2900650A	R1 6x40 + R2 6x10 ml	300
LACTATE	C4100310P	R1 3x10 + R2 3x10 ml (LYO)	30	C4100310A	R1 3x10 + R2 3x10 ml (LYO)	30	C4100310A	R1 3x10 + R2 3x10 ml (LYO)	30	C4100310A	R1 3x10 + R2 3x10 ml (LYO)	30
LDH	C4000630P	R1 6x24 + R2 6x6 ml	180	C4000420A	R1 4x16 + R2 4x4 ml	80	C4000420A	R1 4x16 + R2 4x4 ml	80	C4000420A	R1 4x16 + R2 4x4 ml	80
LIPASE	C4750150P	R1 2x20 + R2 1x8 + STD 1x1 ml	48	C4750150A	R1 1x40 + R2 1x8 + STD 1x1 ml	48	C4750150A	R1 1x40 + R2 1x8 + STD 1x1 ml	48	C4750150A	R1 1x40 + R2 1x8 + STD 1x1 ml	48
LITHIUM	C4930130P	R1 1x20 + R2 1x10 + STD 3x1,5 ml	30	C4930130A	R1 1x20 + R2 1x10 + STD 3x1,5 ml	30	C4930130A	R1 1x20 + R2 1x10 + STD 3x1,5 ml	30	C4930130A	R1 1x20 + R2 1x10 + STD 3x1,5 ml	30
MAGNESIUM	C4400610P	6x 10 ml	60	C4400620A	6x20 ml	120	C4400620A	6x20 ml	120	C4400620A	6x20 ml	120
MAGNESIUM ENZYMATIC	C4410630P	R1 6x24 + R2 6x6 ml	180	C4410520A	R1 4x20 + R2 2x10 ml	100	C4410520A	R1 4x20 + R2 2x10 ml	100	C4410520A	R1 4x20 + R2 2x10 ml	100
PHOSPHOROUS	C3300610P	6x10 ml	60	C3300620A	6x20 ml	120	C3300620A	6x20 ml	120	C3300620A	6x20 ml	120
POTASSIUM	C4900610P	6x 10 ml	60	C4900620A	6x20 ml	120	C4900650A	6x50 ml	300	C4900650A	6x50 ml	300
					6x20 ml			6x50 ml			6x50 ml	
SODIUM	C4950160P	R1 2x20 + R2 1x20 + STD 2x1,5 ml	60	C4950260A	R1 2x40 + R2 2x20 + STD 2x1,5 ml	120	C4950260A	R1 2x40 + R2 2x20 + STD 2x1,5 ml	120	C4950260A	R1 2x40 + R2 2x20 + STD 2x1,5 ml	120
TOTAL PROTEIN	C4500630P	6x 30 ml	180	C4500650A	6x50 ml	300	C4500650A	6x50 ml	300	C4500650A	6x50 ml	300
TRIGLYCERIDES	C4730630P	6x30 ml	180	C4730650A	6x50 ml	300	C4730650A	6x50 ml	300	C4730650A	6x50 ml	300
UREA KINETIC	C4800630P	R1 6x24 + R2 6x6 ml	180	C4800650A	R1 6x40 + R2 6x10 ml	300	C4800650A	R1 6x40 + R2 6x10 ml	300	C4800650A	R1 6x40 + R2 6x10 ml	300
URIC ACID	C1000630P	R1 6x24 + R2 6x6 ml	180	C1000650A	R1 6x40 + R2 6x10 ml	300	C1000650A	R1 6x40 + R2 6x10 ml	300	C1000650A	R1 6x40 + R2 6x10 ml	300
URINARY PROTEIN	C4550610P	R1 6x10 + STD 5 ml	60	C4550620A	R1 6x20 + STD 5 ml	120	C4550620A	R1 6x20 + STD 5 ml	120	C4550620A	R1 6x20 + STD 5 ml	120





DEDICATED KITS		Piccolo Chem PRO			Chem 200 PRO		Chem 300 plus PRO	
PRODUCT	CODE	SIZE	Total ml		CODE	SIZE	Total ml	
ASO	C7000150P	R1 2x20 + R2 1x10 + STD 1x1 ml	50		C7000150SA	R1 1x40 + R2 1x10 + STD 1x1 ml	50	
CRP	C7100150P	R1 2x20 + R2 1x10 + STD 1x1 ml	50		C7100150A	R1 1x40 + R2 1x10 + STD 1x1 ml	50	
					C7101100A	R1 2x40 + R2 2x10 + STD 1x1 ml	100	
CRP ANTISERUM	CA710P	R1 2x25 + R2 1x5 ml	55		CA710A	R1 1x50 + R2 1x5 ml	55	
RF	C7200150P	R1 2x20 + R2 1x10 + STD 1x1 ml	50		C7200150SA	R1 1x40 + R2 1x10 + STD 1x1 ml	50	
					C7201100SA	R1 2x40 + R2 2x10 + STD 1x1 ml	100	
IgA	C9000150P	R1 2x20 + R2 1x10 ml	50		C9000150A	R1 1x40 + R2 1x10 ml	50	
IgE	C9150130P	R1 1x20 + R2 1x10 ml	30		C9150130A	R1 1x20 + R2 1x10 ml	30	
IgG	C9100150P	R1 2x20 + R2 1x10 ml	50		C9100150A	R1 1x40 + R2 1x10 ml	50	
IgM	C9200150P	R1 2x20 + R2 1x10 ml	50		C9200150A	R1 1x40 + R2 1x10 ml	50	
C3	C9300150P	R1 2x20 + R2 1x10 ml	50		C9300150A	R1 1x40 + R2 1x10 ml	50	
C4	C9400150P	R1 2x20 + R2 1x10 ml	50		C9400150A	R1 1x40 + R2 1x10 ml	50	
α-1 ACID GLYCOPROTEIN	C9500150P	R1 2x20 + R2 1x10 ml	50		C9500150A	R1 1x40 + R2 1x10 ml	50	
ANTITHROMBIN III	C9840150P	R1 2x20 + R2 1x10 ml	50		C9840150A	R1 1x40 + R2 1x10 ml	50	
β-2 MICROGLOBULIN	C9820150P	R1 2x22 + R2 1x10	50		C9820150A	R1 1x40 + R2 1x10	50	
KAPPA CHAIN	C9880150P	R1 2x25 + R2 1x5 ml	55		C9880150A	R1 2x25 + R2 1x5 ml	55	
LAMBDA CHAIN	C9890150P	R1 2x25 + R2 1x5 ml	55		C9890150A	R1 2x25 + R2 1x5 ml	55	
LIPOPROTEIN (a)	C9850124P	R1 1x20 + R2 1x4 ml	24		C9850124A	R1 1x20 + R2 1x4 ml	24	
FERRITIN	C975HP	R1 4x25 + R2 3x7 ml	121		C975HA	R1 2x50 + R2 3x7 ml	121	
TRANSFERRIN	C9800150P	R1 2x20 + R2 1x10 ml	50		C9800150A	R1 1x40 + R2 1x10 ml	50	
MICROALBUMIN	C9950150P	R1 2x20 + R2 1x10 + STD 1x1 ml	50		C9950150A	R1 1x40 + R2 1x10 + STD 1x1 ml	50	
ALCOHOL (SERUM/PLASMA/URINE)	DOA100P	R1 2x21 + R2 1x16 ml	58		DOA100A	R1 1x42 + R2 1x16 ml	58	
AMPHETAMINE (URINE)	DOA200P	R1 2x21 + R2 1x16 ml	58		DOA200A	R1 1x42 + R2 1x16 ml	58	
BARBITURATES (URINE)	DOA250P	R1 2x21 + R2 1x16 ml	58		DOA250A	R1 1x42 + R2 1x16 ml	58	
BENZODIAZEPINES (URINE)	DOA300P	R1 2x21 + R2 1x16 ml	58		DOA300A	R1 1x42 + R2 1x16 ml	58	
COCAINE METABOLITE (URINE)	DOA350P	R1 2x21 + R2 1x16 ml	58		DOA350A	R1 1x42 + R2 1x16 ml	58	
ECSTASY (MDMA) (URINE)	DOA450P	R1 2x21 + R2 2x8 ml	58		DOA450A	R1 2x21 + R2 2x8 ml	58	
METHADONE (URINE)	DOA500P	R1 2x21 + R2 1x16 ml	58		DOA500A	R1 1x42 + R2 1x16 ml	58	
OPIATES (URINE)	DOA550P	R1 2x21 + R2 1x16 ml	58		DOA550A	R1 1x42 + R2 1x16 ml	58	
THC (CANNABIS) (URINE)	DOA750P	R1 2x21 + R2 1x16 ml	58		DOA750A	R1 1x42 + R2 1x16 ml	58	
SYSTEMIC SOLUTION	C6000630P	6x30 ml	180		C6000650A	6x50 ml	300	
EXTRA WASH DP CHEM					C6320650A	6x50 ml	300	

Diagnostici in vitro
 Gesan Production s.r.l.
 Fiera dell'Eremita, 71
 021, Campobello di Mazara - Italy



eHp 980 Z2e TjP T4Y h9r
 BATCH ID: 01 168

TOTAL BILIRUBIN LR
 REF C1600620P
 R2 4 ml

Gesan Production



DEDICATED KITS		Chem 400 PRO	
PRODUCT	CODE	SIZE	TOT ml
ALBUMIN	C1201220D	12x21 ml	252
ALKALINE PHOSPHATASE	C3000675D	R1 6x59 + R2 6x17 ml	456
	C3001070D	R1 8x63 + R2 2x73 ml	650
AMYLASE	C1401220D	12x21 ml	252
PANCREATIC AMYLASE	C1450150D	R1 1x40 + R2 1x10 ml	50
BILE ACIDS	C1100140D	R1 1x28 + R2 1x12 + STD 1x2 ml	40
TOTAL BILIRUBIN	C1600650D	R1 6x40 + R2 6x10 ml	300
	C1601070D	R1 8x63 + R2 2x73 ml	650
BILIRUBIN DIRECT	C1700650D	R1 6x40 + R2 6x10 ml	300
	C1701070D	R1 8x63 + R2 2x73 ml	650
CALCIUM ARSENAZO	C1851220D	12x20 ml	240
	C1850970D	9x70 ml	630
CHLORIDE	C2101020D	10x20 ml	200
CHOLESTEROL	C2230970D	9x70 ml	630
CHOLESTEROL HDL DIRECT	C2210280D	R1 2x60 + R2 2x22 ml	164
	C2210470D	R1 3x68 + R2 2x39 ml	282
CHOLESTEROL LDL DIRECT	C2220140D	R1 1x30 + R2 1x11 ml	41
	C2220180D	R1 1x59 + R2 1x22 ml	81
CHOLINESTERASE	C2500625D	R1 6x20 + R2 3x11 ml	153
	C2500650D	R1 6x40 + R2 6x12 ml	312
	C2501070D	R1 8x63 + R2 2x73 ml	650
CK MB	C1950150D	R1 1x40 + R2 1x10 ml	50
CK NAC	C1900625D	R1 6x20 + R2 3x11 ml	153
	C1900650D	R1 6x40 + R2 6x12 ml	312
	C1901070D	R1 8x63 + R2 2x73 ml	650
COPPER	C4600330D	R1 3x15 + R2 3x15 ml	90
	C2701220D	R1 6x20 + R2 6x20 ml	240
CREATININE	C2700870D	R1 4x70 + R2 4x70 ml	560
CREATININE ENZYMATIC	C2710660D	R1 6x45 + R2 6x15 ml	360
FREE (INOZED) CALCIUM	C1810140D	R1 1x21 + R2 1x12 + R3 1x5 + STD 5 ml	38
FRUCTOSAMINE	C3401020D	10x21 ml	210
GPT - ALT	C3800675D	R1 6x59 + R2 6x17 ml	456
	C3801070D	R1 8x63 + R2 2x73 ml	650
GOT - AST	C3700675D	R1 6x59 + R2 6x17 ml	456
	C3701070D	R1 8x63 + R2 2x73 ml	650
GAMMA GT	C3500675D	R1 6x59 + R2 6x17 ml	456
	C3501070D	R1 8x63 + R2 2x73 ml	650
GLUCOSE	C3650970D	9x70 ml	630
GSP - GLYCATED SERUM PROTEIN	C3456D	R1 1x45 + R2 1x14 ml	59
HbA1c	C9900380D (HS)	R1 1x56 + R2 1x20 + Lyse 3x100 ml	76
	CA9900380D	R1 1x56 + R2 1x20 ml	76
HOMOCYSTEINE	C9910135D	R1 1x31 + R1 1x5 + STD 2x3 ml	36
IRON	C2900650D	R1 6x40 + R2 6x10 ml	300
	C2901070D	R1 8x63 + R2 2x73 ml	650
LACTATE	C4100310D	R1 3x10 + R2 3x10 ml (LYO)	30
LDH	C4000625D	R1 6x20 + R2 3x11 ml	153
	C4000650D	R1 6x40 + R2 6x12 ml	312
LIPASE	C4750150D	R1 1x40 + R2 1x8 + STD 1x1 ml	48
LITHIUM	C4930230D	R1 1x40 + R2 1x20 + STD 3x1,5 ml	60
MAGNESIUM	C4401220D	12x20 ml	240



Dedicated sistem Pack



DEDICATED KITS	Chem 400 PRO		
PRODUCT	CODE	SIZE	TOT ml
MAGNESIUM ENZYMATIC	C4411020D	R1 8x20 + R2 2x20 ml	200
PHOSPHOROUS	C3301220D	12x20 ml	240
POTASSIUM	C4901220D	12x21 ml	252
TOTAL PROTEIN	C4500970D	9x70 ml	630
TRIGLYCERIDES	C4730970D	9x70 ml	630
UREA KINETIC	C4800675D	R1 6x59 + R2 6x17 ml	456
	C4801070D	R1 8x63 + R2 2x73 ml	650
URIC ACID	C1000675D	R1 6x59 + R2 6x17 ml	456
URINARY PROTEIN	C4551220D	R1 12x20 + STD 5 ml	240
ASO	C7000150SD	R1 1x60 + R2 1x13 + STD 1 ml	73
CRP	C7100150D	R1 1x56 + R2 1x19 + STD 2 ml	75
	C7101100D	R1 2x56 + R2 2x19 + STD 2 ml	150
CRP ANTISERUM	CA710D	R1 1x70 + R2 1x10 ml	80
RF	C7200150SD	R1 1x56 + R2 1x19 + STD 1 ml	75
	C7201100SD	R1 2x56 + R2 2x19 + STD 1 ml	150
IgA	C9000150D	R1 1x40 + R2 1x10 ml	50
IgE	C9150130D	R1 1x20 + R2 1x10 ml	30
IgG	C9100150D	R1 1x40 + R2 1x10 ml	50
IgM	C9200150D	R1 1x40 + R2 1x10 ml	50
C3	C9300150D	R1 1x40 + R2 1x10 ml	50
C4	C9400150D	R1 1x40 + R2 1x10 ml	50
α-1 ACID GLYCOPROTEIN	C9500150D	R1 1x40 + R2 1x10 ml	50
ANTITHROMBIN III	C9840150D	R1 1x40 + R2 1x10 ml	50
β-2 MICROGLOBULIN	C9820150D	R1 1x40 + R2 1x10 ml + STD 1 ml	50
KAPPA CHAIN	C9880150D	R1 2x25 + R2 1x5 ml	55
LAMBDA CHAIN	C9890150D	R1 2x25 + R2 1x5 ml	55
LIPOPROTEIN (a)	C9850124D	R1 1x20 + R2 1x4 ml	24
FERRITIN	C975HD	R1 2x50 + R2 3x7 ml	121
TRANSFERRIN	C9800150D	R1 1x40 + R2 1x10 ml	50
MICROALBUMIN	C9950150D	R1 1x40 + R2 1x10 + STD 1x1 ml	50
ALCOHOL (SERUM/PLASMA/URINE)	DOA100D	R1 1x42 + R2 1x16 ml	58
AMPHETAMINE (URINE)	DOA200D	R1 1x42 + R2 1x16 ml	58
BARBITURATES (URINE)	DOA250D	R1 1x42 + R2 1x16 ml	58
BENZODIAZEPINES (URINE)	DOA300D	R1 1x42 + R2 1x16 ml	58
COCAINE METABOLIDE (URINE)	DOA350D	R1 1x42 + R2 1x16 ml	58
ECSTASY (MDMA) (URINE)	DOA450D	R1 2x21 + R2 2x8 ml	58
METHADONE (URINE)	DOA500D	R1 1x42 + R2 1x16 ml	58
OPIATES (URINE)	DOA550D	R1 1x42 + R2 1x16 ml	58
THC (CANNABIS) (URINE)	DOA750D	R1 1x42 + 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 KITS				<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	P1200110V	1x10 ml	10	C1200150V	1x50 ml	50			
ALKALINE PHOSPHATASE	P3000130V	R1 1x24 + R2 1x6 ml	30	C3000120V	R1 1x16 + R2 1x4 ml	20			
				C3000150V	R1 1x40 + R2 1x10 ml	50			
AMYLASE	P1400110V	1x10 ml	10	C1400110V	1x10 ml	10			
BILE ACIDS	P1100140V	R1 1x30 + R2 1x10 + STD 1x2 ml	40	C1100140V	R1 1x30 + R2 1x10 + STD 1x2 ml	40			
TOTAL BILIRUBIN	P1600130V	R1 1x24 + R2 1x6 ml	30	C1600120V	R1 1x16 + R2 1x4 ml	20			
				C1600150V	R1 1x40 + R2 1x10 ml	50			
DIRECT BILIRUBIN	P1700130V	R1 1x24 + R2 1x6 ml	30	C1700120V	R1 1x16 + R2 1x4 ml	20			
				C1700150V	R1 1x40 + R2 1x10 ml	50			
CALCIUM (ARSENAZO)	P1850130V	1x30 ml	30	C1850120V	1x20 ml	20			
				C1850150V	1x50 ml	50			
CHLORIDE	P2100110V	1x10 ml	10	C2100120V	1x20 ml	20			
CHOLESTEROL	P2230130V	1x30 ml	30	C2230150V	1x50 ml	50			
HDL DIRECT CHOLESTEROL	P2210120V	R1 1x15 + R2 1x5 ml	20	C2210120V	R1 1x15 + R2 1x5 ml	20			
LDL DIRECT CHOLESTEROL	P2220120V	R1 1x15 + R2 1x5 ml	20	C2220120V	R1 1x15 + R2 1x5 ml	20			
CHOLINESTERASE	P2500130V	R1 1x24 + R2 1x6 ml	30	C2500120V	R1 1x16 + R2 1x4 ml	20			
CK NAC	P1900130V	R1 1x24 + R2 1x6 ml	30	C1900120V	R1 1x16 + R2 1x4 ml	20			
				C1900150V	R1 1x40 + R2 1x10 ml	50			
COPPER	P4600120V	R1 1x10 + R2 1x10 ml	20	C4600130V	R1 1x15 + R2 1x15 ml	30			
CREATININE	P2700130V	R1 1x15 + R2 1x15 ml	30	C2700210V	R1 1x10 + R2 1x10 ml	20			
				C2700250V	R1 1x50 + R2 1x50 ml	100			
FRUCTOSAMINE	P3400110V	1x10 ml	10	C3400110V	1x10 ml	10			
GOT - AST	P3700130V	R1 1x24 + R2 1x6 ml	30	C3700120V	R1 1x16 + R2 1x4 ml	20			
				C3700150V	R1 1x40 + R2 1x10 ml	50			
GPT - ALT	P3800130V	R1 1x24 + R2 1x6 ml	30	C3800120V	R1 1x16 + R2 1x4 ml	20			
				C3800150V	R1 1x40 + R2 1x10 ml	50			

TOTAL BILIRUBIN LR **LOT** 0819
REF C1600620P
R2 4 ml
08/2021
+15°C



DEDICATED SYSTEM Packs for Veterinary



VET DEDICATED KITS				<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
GAMMA GT	P3500130V	R1 1x24 + R2 1x6 ml	30	C3500120V	R1 1x16 + R2 1x4 ml	20	C3500150V	R1 1x40 + R2 1x10 ml	50
				C3650150V	1x50 ml	50			
GLUCOSE	P3650130V	1x30 ml	30	C2900120V	R1 1x16 + R2 1x4 ml	20	C2900150V	R1 1x40 + R2 1x10 ml	50
IRON	P2900130V	R1 1x24 + R2 1x6 ml	30	C4100110V	R1 1x10 + R2 1x10 (LYO)	10			
LACTATE	P4100110V	R1 1x10 + R2 1x10 (LYO)	10	C4000120V	R1 1x16 + R2 1x4 ml	20	C4000150V	R1 1x40 + R2 1x10 ml	50
LDH	P4000130V	R1 1x24 + R2 1x6 ml	30	C4750150V	R1 1x40 + R2 1x8 + STD 1x1 ml	48			
LIPASE	P4750150V	R1 2x20 + R2 1x8 + STD 1x1 ml	48	C4400120V	1x20 ml	20	C4400150V	1x50 ml	50
MAGNESIUM	P4400110V	1x10 ml	10	C3300120V	1x20 ml	20	C3300150V	1x50 ml	50
PHOSPHOROUS	P3300110V	1x10 ml	10	C4900120V	1x20 ml	20			
POTASSIUM	P4900110V	1x10 ml	10	C4950160V	R1 1x40 + R2 1x20 + STD 2x0,5 ml	60			
SODIUM	P4950130V	R1 1x20 + R2 1x10 + STD 2x1,5 ml	30	C4500120V	1x20 ml	20	C4500150V	1x50 ml	50
TOTAL PROTEIN	P4500130V	1x 30 ml	30	C4730150V	1x50 ml	50			
TRIGLYCERIDES	P4730130V	1x30 ml	30	C4800150V	R1 1x40 + R2 1x10 ml	50			
UREA KINETIC	P4800130V	R1 1x24 + R2 1x6 ml	30	C1000150V	R1 1x40 + R2 1x10 ml	50			
URIC ACID	P1000130V	R1 1x24 + R2 1x6 ml	30	C4550120V	R1 1x20 + STD 1x5 ml	20			
URINARY PROTEIN	P4550110V	R1 1x10 + STD 3 ml	10	C710VET	R1 1x50 + R2 1x5 ml	55			
CRP VET	P710VET	R1 2x25+R2 1x5 ml	55	CTDMPHN03V	R1 2x17 + R2 2x6 ml	46			
PHENOBARBITAL	PVPA03V	R1 2x17 + R2 2x6 ml	46						

IVD Diagnostici in
production s.r.l.
ell'Eremita, 71
pobello di Mazara - Italy



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+R2 1x13
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+ R2 1x12 ml
FREE (IONIZED) CALCIUM	A1810130	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+R2 1x10 ml
HBA1C LYSE 1x100ml	990L	1X100 ml
HOMOCYSTEINE	A9915	R1 1X15 + R2 1X2,5 ml + cal 2X1 ml
LACTATE	4100510	5x10 LYO + 1X55 ml BUFFER+STD 5 ml
LIPASE	A475LPS	R1 4x20+R2 16+STD 1X1ml
LITHIUM	A4930230	R1 2X20 + R2 2X10 + CAL 3X3 ML
MAGNESIUM	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 + R2 1X10 + CAL 1X5 ml



Dedicated System for Abbott c8000 - c4000

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

TURBILATEX

PRODUCT	CODE	SIZE
ASO	A7000150	R1 1x46+R2 1x14 + STD 1X1 ml
CRP	A7100150	R1 1x46+R2 1x14 + STD 1X1 ml
RF	A7200150	R1 1x46+R2 1x14 + STD 1X1 ml
MICROALBUMIN	A9950150	R1 1x40+R2 1x10 ml +CAL 1X1 ml
IgA	A9000150	R1 1x46+R2 1x14 + STD 1X1 ml
IgG	A9100150	R1 1x46+R2 1x14 + STD 1X1 ml
IgE	A9150130	R1 1x20+R2 1x10 ml
IgM	A9200150	R1 1x46+R2 1x14 ml
C3	A9300150	R1 1x46+R2 1x14 ml
C4	A9400150	R1 1x46+R2 1x14 ml
Alfa1-Glicoprotein Acid	A9500150	R1 1x40+R2 1x10 ml
APO A1	A9600150	R1 1x40+R2 1x10 ml
APO B	A9700150	R1 1x40+R2 1x10 ml
FERRITIN	A975H	R1 2x50 ml + R2 3x7 ml
TRASFERRIN	A9800150	R1 1X40+R2 1X10 ml
LAMBDA CHAIN	A9880150	R1 2x25+R2 1x5 ml
KAPPA CHAIN	A9890150	R1 2x25+R2 1x5 ml
β2 MICROGLOBULIN	A9820150	R1 1X40 + R2 1X10 +CAL 1X1 ml
ANTITHROMBIN III	A9840150	R1 1x40 + R2 1x10 ml
LP (A)	A9850124	R1 1X20 + 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>Reaction disk costant temperature</u>	Circulating water
<u>Mixing needle</u>	2, after joining reagent, blending immediately
<u>Mixing needle</u>	7 stops, 11 steps by warm water rinsing
<u>Reaction cuvette cleaning</u>	Two difffluence for high and low concentration waste water. With the function of concentrated waste liquid level alarming
<u>Wastewater treatment</u>	

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 50µl

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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ISO 9001:2015



ISO 13485:2016



scan for contact