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The currently validated test methods in the flexible test areas marked with * are listed below

Medical laboratory field: Clinical chemistry

Type of examination :

Agglutination tests*

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
CRP	Serum EDTA plasma Li-Heparin plasma	Latex agglutination test	SOP-MG-LAB.M.0017.4	Roche Cobas® 6000	x	
Cystatin C	Serum EDTA plasma Li-Heparin plasma	Latex agglutination test	SOP-MG-LAB.M.0064.8	Roche Cobas® 6000	x	

Type of examination :

Chromatography (High performance liquid chromatography (HPLC)) *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
HbA1c	EDTA blood	HPLC - ion exchange	SOP-MG-LAB.M.0083.8	TOSOH G8	x	

Type of examination:

Flow cytometry *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
Complete blood count	EDTA blood	Cell-number determination / differentiation	SOP-MG-LAB.M.0125.4	Sysmex XN-1000	x	
Blood count	EDTA blood	Cell-number determination / differentiation	SOP-MG-LAB.M.0125.4	Sysmex XN-1000	x	
Reticulocytes	EDTA blood	Cell-number determination / differentiation	SOP-MG-LAB.M.0125.4	Sysmex XN-1000	x	
Lymphocytes (T-, B-, NK-cells)	EDTA blood	Immunphenotyping of immune cell populations	SOP-MG-FLC.M.0005.1	BD FACSLyric	x	

Type of examination:

Electrochemical tests *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
Chloride	Serum Li-Heparin plasma Urine	Potentiometry (ISE)	SOP-MG-LAB.M.0034.3	Roche Cobas® 6000	x	
Potassium	Serum Li-Heparin plasma Urine	Potentiometry (ISE)	SOP-MG-LAB.M.0024.5	Roche Cobas® 6000	x	
Sodium	Serum Li-Heparin plasma Urine	Potentiometry (ISE)	SOP-MG-LAB.M.0033.5	Roche Cobas® 6000	x	

Type of examination:

Coagulometry *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
aPTT	Citrate plasma	Coagulometry	SOP-MG-LAB.M.0076.6	Stago STA Compact Max® 3	x	
D-Dimer	Citrate plasma	Coagulometry	SOP-MG-LAB.M.0078.7	Stago STA Compact Max® 3	x	
Fibrinogen	Citrate plasma	Coagulometry	SOP-MG-LAB.M.0075.6	Stago STA Compact Max® 3	x	
Prothrombin time (PT/Quick/INR)	Citrate plasma	Coagulometry	SOP-MG-LAB.M.0152.5	Stago STA Compact Max® 3	x	
Thrombin time	Citrate plasma	Coagulometry	SOP-MG-LAB.M.0086.6	Stago STA Compact Max® 3	x	

Type of examination:

Ligand assays *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
Amphetamine	Urine	KIMS	SOP-MG-LAB.M.0096.6	Roche Cobas® 6000	x	
β-Amyloid (1-42)	EDTA plasma	CLEIA	SOP-MG-MDL.M.0041.1	Lumipulse G1200		x
Barbiturate	Urine	KIMS	SOP-MG-LAB.M.0097.6	Roche Cobas® 6000	x	
Benzodiazepine	Urine	KIMS	SOP-MG-LAB.M.0098.6	Roche Cobas® 6000	x	
Cannabinoids	Urine	KIMS	SOP-MG-LAB.M.0099.4	Roche Cobas® 6000	x	
Cocain + metabolits	Urine	KIMS	SOP-MG-LAB.M.0100.5	Roche Cobas® 6000	x	
Cortisol	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0003.4	Roche Cobas® 6000	x	
C-peptide	Serum EDTA plasma Urine	ECLIA	SOP-MG-LAB.M.0039.9	Roche Cobas® 6000	x	
Estradiol	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0089.5	Roche Cobas® 6000	x	
Ferritin	Serum EDTA plasma Heparin plasma	ECLIA	SOP-MG-LAB.M.0025.5	Roche Cobas® 6000	x	
FSH	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0012.3	Roche Cobas® 6000	x	
FT3	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0069.5	Roche Cobas® 6000	x	
FT4	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0071.4	Roche Cobas® 6000	x	
Glucagon	EDTA plasma + aprotinin P800 plasma	RIA	SOP-MG-RIA.M.0001.10	Perkin Elmer Gamma Counter Wizard 2470	x	

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
hCG-β	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0067.6	Roche Cobas® 6000	x	
IL-6	Serum EDTA plasma	ECLIA	SOP-MG-LAB.M.0090.4	Roche Cobas® 6000	x	
Insulin	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0002.8	Roche Cobas® 6000	x	
KL-6	Serum EDTA plasma	CLEIA	SOP-MG-MDL.M.0032.4	Lumipulse G1200		x
LH	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0011.4	Roche Cobas® 6000	x	
Methadone + metabolits	Urine	KIMS	SOP-MG-LAB.M.0101.7	Roche Cobas® 6000	x	
NT-pro BNP	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0008.5	Roche Cobas® 6000	x	
Opiate	Urine	KIMS	SOP-MG-LAB.M.0102.5	Roche Cobas® 6000	x	
Phencyclidine + metabolits	Urine	KIMS	SOP-MG-LAB.M.0110.5	Roche Cobas® 6000	x	
Progesterone	Serum EDTA-plasma Li-Heparin-plasma	ECLIA	SOP-MG-LAB.M.0010.3	Roche Cobas® 6000	x	
Prolactin	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0009.4	Roche Cobas® 6000	x	
pTau (217)	EDTA plasma	CLEIA	SOP-MG-MDL.M.0035.3	Lumipulse G1200		x
Renin activity	EDTA plasma	RIA	SOP-MG-RIA.M.0006.5	Perkin Elmer Gamma Counter Wizard 2470	x	
T3	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0068.3	Roche Cobas® 6000	x	
T4	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0070.4	Roche Cobas® 6000	x	
Testosterone	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0095.3	Roche Cobas® 6000	x	
Tricyclic antidepressants	Urine	EIA	SOP-MG-LAB.M.0048.6	Roche Cobas® 6000	x	
Troponin T	Serum EDTA plasma Heparin plasma	ECLIA	SOP-MG-LAB.M.0079.7	Roche Cobas® 6000	x	
TSH	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0072.4	Roche Cobas® 6000	x	
25-OH-Vitamin D3	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0130.3	Roche Cobas® 6000	x	

Type of examination:

Microscopy *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
Urine sediment	Urine	Bright-field microscopy	SOP-MG-LAB.M.0082.5	Manual	x	

Type of examination:

Spectrometry - UV/VIS spectrometry *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
ALAT (ALT, GPT)	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0019.5	Roche Cobas® 6000	x	
Albumin	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0029.4	Roche Cobas® 6000	x	
Alkaline phosphatase	Serum Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0028.4	Roche Cobas® 6000	x	
Alcohol/ Ethanol	Serum EDTA-Plasma Li-Heparin plasma Urine	UV/VIS photometry	SOP-MG-LAB.M.0103.3	Roche Cobas® 6000	x	
Amylase α	Serum Li-Heparin plasma Urine	UV/VIS photometry	SOP-MG-LAB.M.0058.5	Roche Cobas® 6000	x	
ASAT (AST, GOT)	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0018.6	Roche Cobas® 6000	x	
Bicarbonate	Serum Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0036.5	Roche Cobas® 6000	x	
Bilirubin total	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0021.4	Roche Cobas® 6000	x	
Bilirubin direct	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0060.6	Roche Cobas® 6000	x	
Calcium	Serum Li-Heparin plasma Urine (acidified)	UV/VIS photometry	SOP-MG-LAB.M.0027.5	Roche Cobas® 6000	x	
Cholesterol	Serum Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0052.5	Roche Cobas® 6000	x	
Cholinesterase	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0059.4	Roche Cobas® 6000	x	
CK	Serum Li-Heparin plasma EDTA plasma	UV/VIS photometry	SOP-MG-LAB.M.0053.5	Roche Cobas® 6000	x	
CK-MB	Serum Li-Heparin plasma EDTA plasma	UV/VIS photometry	SOP-MG-LAB.M.0054.7	Roche Cobas® 6000	x	

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
Creatinine	Serum EDTA plasma Li-Heparin plasma Urine	UV/VIS photometry	SOP-MG-LAB.M.0035.6	Roche Cobas® 6000	x	
Iron	Serum Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0074.3	Roche Cobas® 6000	x	
GGT	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0020.4	Roche Cobas® 6000	x	
GLDH	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0061.5	Roche Cobas® 6000	x	
Glucose	Sodium-Fluorid EDTA plasma Citrate-Fluorid EDTA plasma Urine Cerebrospinal fluid	UV/VIS photometry	SOP-MG-LAB.M.0022.9	Roche Cobas® 6000	x	
HDL-cholesterol	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0055.5	Roche Cobas® 6000	x	
Hydroxybutyrate dehydrogenase (HBDH)	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0063.3	Roche Cobas® 6000	x	
Lactate	NaF-Plasma Na-Heparin plasma Cerebrospinal fluid	UV/VIS photometry	SOP-MG-LAB.M.0062.4	Roche Cobas® 6000	x	
LDH	Serum Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0030.7	Roche Cobas® 6000	x	
LDL cholesterol	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0056.5	Roche Cobas® 6000	x	
Lipase	Serum Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0057.7	Roche Cobas® 6000	x	
Magnesium	Serum Li-Heparin plasma Urine (acidified)	UV/VIS photometry	SOP-MG-LAB.M.0038.6	Roche Cobas® 6000	x	
Pancreatic amylase	Serum Li-Heparin plasma Urine	UV/VIS photometry	SOP-MG-LAB.M.0113.3	Roche Cobas® 6000	x	
Phosphate	Serum EDTA plasma Li-Heparin plasma Urine	UV/VIS photometry	SOP-MG-LAB.M.0026.6	Roche Cobas® 6000	x	
Total protein	Serum EDTA-Plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0031.5	Roche Cobas® 6000	x	
Triglycerides	Serum EDTA plasma Li-Heparin plasma	UV/VIS photometry	SOP-MG-LAB.M.0051.6	Roche Cobas® 6000	x	

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
Urin acid	Serum EDTA plasma Li-Heparin plasma Urine	UV/VIS photometry	SOP-MG-LAB.M.0032.5	Roche Cobas® 6000	x	
Urea	Serum EDTA plasma Li-Heparin plasma Urine	UV/VIS photometry	SOP-MG-LAB.M.0037.6	Roche Cobas® 6000	x	

Type of examination:

Spectrometry - Reflectometry (carrier test methods) *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
Bilirubin	Urine	Reflectance Photometry	SOP-MG-LAB.M.0081.3	Roche Cobas®u 411	x	
Glucose	Urine	Reflectance Photometry	SOP-MG-LAB.M.0081.3	Roche Cobas®u 411	x	
Hemoglobin	Urine	Reflectance Photometry	SOP-MG-LAB.M.0081.3	Roche Cobas®u 411	x	
Ketone	Urine	Reflectance Photometry	SOP-MG-LAB.M.0081.3	Roche Cobas®u 411	x	
Leukocytes	Urine	Reflectance Photometry	SOP-MG-LAB.M.0081.3	Roche Cobas®u 411	x	
Nitrite	Urine	Reflectance Photometry	SOP-MG-LAB.M.0081.3	Roche Cobas®u 411	x	
pH value	Urine	Reflectance Photometry	SOP-MG-LAB.M.0081.3	Roche Cobas®u 411	x	
Protein	Urine	Reflectance Photometry	SOP-MG-LAB.M.0081.3	Roche Cobas®u 411	x	
Specific weight	Urine	Reflectance Photometry	SOP-MG-LAB.M.0081.3	Roche Cobas®u 411	x	
Urobilinogen	Urine	Reflectance Photometry	SOP-MG-LAB.M.0081.3	Roche Cobas®u 411	x	

Type of examination:

Spectrometry (Turbidimetry) *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
Albumin	Urine Cerebrospinal fluid	Turbidimetry	SOP-MG-LAB.M.0085.7	Roche Cobas® 6000	x	
Protein total	Urine Cerebrospinal fluid	Turbidimetry	SOP-MG-LAB.M.0112.4	Roche Cobas® 6000	x	
Transferrin	Serum Li-Heparin plasma	Turbidimetry	SOP-MG-LAB.M.0107.5	Roche Cobas® 6000	x	

Medical laboratory field: Virology

Type of examination:

Ligand assays *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
Hepatitis Bs antigen	Serum EDTA plasma Li-Heparin plasma Citrate plasma	ECLIA	SOP-MG-LAB.M.0065.6	Roche Cobas® 6000	x	
Hepatitis C antibodies	Serum EDTA plasma Heparin plasma Citrate plasma	ECLIA	SOP-MG-LAB.M.0066.6	Roche Cobas® 6000	x	
HIV-1/2 antibodies	Serum EDTA plasma Li-Heparin plasma	ECLIA	SOP-MG-LAB.M.0073.5	Roche Cobas® 6000	x	

Type of examination:

Molecular genetic test methods and techniques *

Analyte (measurement parameter)	Test material (matrix)	Test technique	QM Document	Analyzer	CE-method	in-house method
SARS-CoV-2	Nasal, pharyngeal and nasopharyngeal smear	Real-time PCR	SOP-MG-PCR.M.0004.2	Bio-Rad CFX96 Dx	x	