

DIRECTORY OF SERVICES



Area of analysis: Evaluation of medical devices

Mode of analysis: Biocompatibility tests

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Evaluation of biocompatibility of dialyzers and other medical devices according to DIN EN ISO 10993-4 (C5a, TAT, Cell count, Heparin, Hemolysis, and others)	Medical devices	1) Ex vivo recirculation with heparinized human blood 2) In vivo clinical testing	AA-001, 15/10.2018	Ismatec MCP, Ismatec MCP-Process	+	-
Pyrogenretention (ex vivo)	Hemodialyzers	Ex vivo Hemodialysis, Cytokine induction	AA-011, 05/05.2011	Ismatec MCP, Ismatec MCP-Process	+	-
Evaluation of biocompatibility of flat sheets and particles according to DIN EN ISO 10993-4	Flat sheets, Flat sheet membranes, Particles	Ex vivo incubation with heparinized human blood	AA-010, 08/05.2014	Certomat U	+	-
Evaluation of biocompatibility of adsorbers in contact with blood according to DIN EN ISO 10993-4	Adsorber devices	1) Ex vivo recirculation with heparinized human blood 2) In vivo clinical testing	AA-050, 07/07.2019	Ismatec MCP, Ismatec MCP-Process	+	-
Evaluation of biocompatibility of miniaturized dialyzers according to DIN EN ISO 10993-4	Miniaturized dialyzers	Ex vivo recirculation with heparinized human blood	AA-058, 04/05.2014	Ismatec MCP, Ismatec MCP-Process	+	-
Determination of hemolysis, void volume and pressure drop of plasmafilters	Plasmafilters	Ex vivo recirculation model with heparinized human blood	AA-091, 04/02.2021 DIN EN ISO 13960	Dialysis machine DBB-05	+	-

<p>Released:</p> <p>Date:</p>

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Area of analysis: Evaluation of medical devices

Mode of analysis: Biological evaluation of materials and medical devices

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Evaluation of skin irritation using epidermal skin cultures	Aqueous solutions, Particulate matter, Powder, ect.	Determination of vitality of cultered cells	AA-081, 01/06.2013 DIN EN ISO 10993-10, DIN EN ISO 10993-12	BioTek ELx808	+	-

Area of analysis: Sterility testing of medical devices

Mode of analysis: Inspection of cultures (non specific)

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Determination of endotoxins/pyrogens	Aqueous sample/Extract	Turbidimetry	AA-013, 04/04.2012	BioTek ELx808	+	-

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Area of analysis: Evaluation of medical devices

Mode of analysis: Quality testing

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Evaluation of redness in clinically used hemodialyzers	Hemodialyzer	1) Recirculation model with heparinized human blood; Image analysis 2) Clinical testing; Image analysis	AA-067, 03/12.2017	Minolta Chroma-Meter CR-310	+	-
Particle count in hemodialyzers (ex vivo)	Hemodialyzer	Particel count in rinsing solution	AA-079, 03/03.2017	Ismatec MCP	+	-
Gravity driven plasmaseparation	Loop module	Plasmaseparation	AA-087, 03/06.2016	Test Rig, Plasmafilter	+	-
Leak test of hemodialyzers and other membrane devices	Hemodialyzers, Plasmafilters and other membrane devices	Pressure hold test	AA-094, 02/02.2021; DIN EN ISO 8637 and AA-091, 04/02.2021; DIN EN ISO 13960	Pressure hold equipment, vacuum pump	+	-

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Area of analysis: Evaluation of medical devices

Mode of analysis: Determination of performance parameters

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Low molecular weight solute clearance according to DIN EN ISO 8637 (ex vivo)	Hemodialyzers and other membrane devices	Ex vivo Hemodialysis	AA-039, 19/04.2024	Dialysis monitor	+	-
Blood clearance of middle molecules according to DIN EN ISO 8637	Hemodialyzers and other membrane devices	Ex vivo Hemodialysis	AA-039, 19/04.2024	Dialysis monitor	+	-
Clearance according to Japanese standard	Hemodialyzers and other membrane devices	Ex vivo Hemodialysis	AA-100, 01/05.2020	Dialysis monitor	+	-
Determination of sieving coefficients according to DIN EN ISO 8637 (ex vivo)	Hemodialyzers, Plasmafilters and other membrane devices	Ex vivo Hemodialysis	AA-040, 11/04.2024	Dialysis monitor	+	-
Determination of TMP according to DIN EN ISO 8637	Hemodialyzers, Plasmafilters and other membrane devices	1) Hemodialysis; Recirculation model with heparinized human blood 2) Hemodialysis; Clinical testing	AA-042, 03/05.2013	Dialysis monitor	+	-
Determination of dialysis parameters (Clearance, Sieving Coefficient, Albumin Loss) of miniaturized dialyzers	Miniaturized dialyzers	Ex vivo Hemodialysis with miniaturized dialyzers	AA-059, 04/06.2015	ismatec IPC	+	-
Determination of pressure drop, Volume of blood compartment, UFR and KUF according to DIN EN ISO 8637	Hemodialyzers, Plasmafilters and other membrane devices	1) Hemodialysis; Recirculation model with heparinized human blood 2) Hemodialysis; Clinical testing	AA-065, 10/04.2024	Dialysis monitor	+	-

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Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Isolation of proteins from hemofiltrate of patients with Kidney Failure (ex vivo)	Hemofiltrate	Ultrafiltration, Chromatography	AA-037, 07/08.2022	Ismatec MCP, Ismatec MCP-Process	+	-
Determination of performance parameters of plasmafractionation devices (Sieving Coefficients, ex vivo)	Plasmafractionation devices	<i>ex vivo</i> Plasmafractionation	AA-077, 05/03.2016	Plasmafractionation monitor Infomed CF-100	+	-
Determination of performance parameters of plasmafilters (Sieving coefficients, TMP)	Plasmafilter	<i>ex vivo</i> Recirculation model with heparinized human blood	AA-091, 04/02.2021 DIN EN ISO 13960	Dialysis monitor	+	-
Integrity test of the blood compartment according to DIN EN ISO 8637-1/-3	Hemodialyzers and other membrane devices	Pressure test of the blood compartment	AA-104, 01/07.2023 DIN EN ISO 8637-1	Dialysis monitor	+	-
Retention and damage of blood cells/plasma components by transfusion sets	Transfusion sets, pumps for transfusion	Filtration of different media (blood/plasma products) through the transfusion sets	AA-105, 01/01.2024 DIN EN ISO 1135-4 and 1135-5	Transfusion sets, pumps for transfusion	+	-

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Area of analysis: Biochemistry/Clinical chemistry

Mode of analysis: Spectrometry (UV-/ VIS-Photometry/ Nephelometry)

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
α -Amylase	Heparinized and EDTA plasma, Serum, Aqueous Solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
α 1-Antitrypsin	Heparinized and EDTA plasma, Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
α 1-acidic Glycoprotein	Heparinized and EDTA plasma, Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
α 1-Microglobulin	Heparinized and EDTA plasma, Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
α 2-Macroglobulin	Heparinized plasma, Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
ADNase B	Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Alanine aminotransferase	Heparinized and EDTA plasma, Serum, Aqueous Solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Albumin	Heparinized and EDTA plasma, Serum, Aqueous Solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Albumin	Plasma, Serum, Aqueous Solutions	Photometry (BCG method)	AA-103, 01/10.2022	BioTek ELx808	-	+
Albumin	Heparinized and EDTA plasma, Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+

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Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Alkaline phosphatase	Heparinized plasma, Serum, Aqueous Solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Ammonia	EDTA plasma, Aqueous Solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Antistreptolysin (ASL)	Heparinized and EDTA plasma, Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Antithrombin III	EDTA and citrated plasma, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Apolipoprotein A-I	Heparinized plasma, Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Apolipoprotein A-II	Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Apolipoprotein B	Heparinized plasma, Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Apolipoprotein E	Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Aspartate aminotransferase	Heparinized and EDTA plasma, Serum, Aqueous Solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
β2-Microglobulin	Heparinized and EDTA plasma, Serum, Aqueous Solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
BCA, Protein determination	Plasma, Aqueous solutions	Photometry	AA-074, 05/12.2023	BioTek ELx808	-	+
Bicarbonate	Heparinized plasma, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Bilirubin Direct	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-

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Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Bilirubin Total	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
C1-Inhibitor	EDTA and citrated plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Calcium	Heparinized plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
Carbohydrate-Deficient Transferrin	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Cholesterol	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
Coeruloplasmin	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
C-reactive Protein (CRP)	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
C-reactive Protein (CRP)	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
C-reactive Protein (CRP) High Sensitive	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Creatinine	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
Creatinine (Jaffé)	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Creatine kinase	Heparinized plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Cystatin C	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+

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Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
DEHP equivalents	Aqueous solutions	Photometry	AA-099, 01/07.2019	Shimadzu UV-1650PC	+	-
D-Dimer	Heparinized, EDTA and Citrated plasma, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Ferrum	Heparinized plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
Factor VIII Coatest	Citrated plasma	Photometrie	AA-093, 02/07.2019	BioTek ELx808	-	+
Ferritin	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Fibrinogen	EDTA and citrated plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
Fibronectin	EDTA and citrated plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Glucose	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
Hemoglobin	Heparinized plasma, Serum	Photometry	AA-056, 11/07.2019	Shimadzu UV-1650PC	-	+
Hemopexin	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Haptoglobin	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
HbA1c	Heparinized and EDTA plasma, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
HDL Cholesterol	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+

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Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Heparin	Citrated plasma, Aqueous solutions	Photometry	AA-002, 13/10.2018	BioTek ELx808	-	+
Homocysteine	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Free Immunoglobulin Light chains, Type kappa	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
Free Immunoglobulin Light chains, Type lambda	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
Immunoglobulin A (IgA)	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Immunoglobulin E (IgE)	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Immunoglobulin G (IgG)	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
Immunoglobulin G (IgG) Subclass 1	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Immunoglobulin G (IgG) subclass 2	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Immunoglobulin G (IgG) subclass 3	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Immunoglobulin G (IgG) subclass 4	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Immunoglobulin M (IgM)	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
Inulin	CPD, Citrated and Heparinized plasma, Aqueous solutions	Photometry	AA-048, 10/04.2023	Shimadzu UV-1650PC	+	+

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Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Iron	Heparinized plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
Complement factor C3c	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Complement factor C4	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Lactate	Heparinized plasma, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
LDH	Heparinized plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
LDL-Cholesterol	Heparinized plasma, Serum, Aqueous solutions	Photometrie	AA-057, 10/07.2019	Roche cobas c111	-	+
Lipase	Heparinized plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Lipoprotein (a)	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Magnesium	Heparinized plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Myoglobin	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
Pancreatic α -Amylase	Heparinized plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Peroxide (PerOX)	EDTA plasma, Serum and cell culture supernatants	Photometry	AA-019, 11/04.2023	BioTek ELx808	-	+
Phosphate	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
Plasminogen	EDTA and citrated plasma, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-

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Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Pre albumin	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Retinol binding Protein (RBP)	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	-	+
Rheumatoid factor (RF)	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Serum Amyloid A Protein (SAA)	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Soluble Transferrin Receptor	Heparinized plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Total protein	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
Transferrin	Heparinized and EDTA plasma, Serum, Aqueous solutions	Nephelometry	AA-014, 12/07.2019	Siemens BN ProSpec	+	-
Triglyceride	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
Urea	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	-	+
Uric Acid	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-
Vitamin B12	Heparinized and citrated plasma, Aqueous solutions	Photometry	AA-047, 12/04.2024	Shimadzu UV-1650PC	+	+
γ -Glutamyltransferase	Heparinized and EDTA plasma, Serum, Aqueous solutions	Photometry	AA-057, 10/07.2019	Roche cobas c111	+	-

DIRECTORY OF SERVICES

Area of analysis: Biochemistry/Clinical chemistry

Mode of analysis: Flow cytometry

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Apoptose / Annexin V	Heparinized blood, Cell culture	Flow cytometry	AA-020, 05/07.2019	BD FACSVerse	-	+
Characterisation MSC	Cell culture	Flow cytometry	AA-095, 01/02.2016	BD FACSVerse	+	-
CR3 (CD11b/CD18)	EDTA blood	Flow cytometry	AA-006, 10/02.2022	BD FACSVerse	+	+
Oxidative Burst	Heparinized blood	Flow cytometry	AA-021, 12/12.2023	BD FACSVerse	+	+
Granulocyte Activation	EDTA blood	Flow cytometry	AA-075, 03/10.2018	BD FACSVerse	+	+
Monocyte Subpopulations	EDTA blood	Flow cytometry	AA-080, 07/03.2017	BD FACSVerse	+	+
BD Leucocount	Heparinized, Citrated and EDTA plasma, Cell culture	Flow cytometry	AA-083, 02/06.2015	BD FACSVerse	-	+
TBNK-Lymphocyte Subpopulations	EDTA blood	Flow cytometry	AA-084, 02/07.2014	BD FACSVerse	-	+
BD Plasma Count	Heparinized, Citrated and EDTA plasma	Flow cytometry	AA-085, 07/10.2017	BD FACSVerse	-	+
Dendritic cells	EDTA blood	Flow cytometry	AA-086, 03/06.2015	BD FACSVerse	+	+
Platelet activation PAC-1/CD62P	Citrated blood	Flow cytometry	AA-098, 06/05.2020	BD FACSVerse	+	+
Blood cells: Platelets, Erythrocytes, Leucocytes, Hematocrit, Hemoglobin etc.	Heparinized, Citrated and EDTA plasma, Cell culture	Impedance method	AA-005, 11/07.2019	ABX Pentra 60 C+	-	+

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Area of analysis: Biochemistry/Clinical chemistry

Mode of analysis: Ligand assays (ELISA)

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
HMW-Adiponectin	Heparinized and Citrated plasma, Serum	ELISA	Instructions from the supplier	BioTek ELx808	+	-
Total-Adiponectin	Heparinized and Citrated plasma, Serum	ELISA	Instructions from the supplier	BioTek ELx808	+	-
Apolipoprotein C3	Heparinized and EDTA plasma, Serum	ELISA	Instructions from the supplier	BioTek ELx808	+	-
Bisphenol A (BPA)	Heparinized and Citrated plasma, Serum	ELISA	AA-030, 05/06.2015	BioTek ELx808	+	+
BNP	Plasma, Serum	ELISA	Instructions from the supplier	BioTek ELx808	+	-
Bradykinin	EDTA plasma	ELISA	AA-017, 07/05.2020	BioTek ELx808	+	+
Fetuin A	Serum	ELISA	Instructions from the supplier	BioTek ELx808	+	-
FGF23	EDTA plasma, cell culture medium	ELISA	Instructions from the supplier	BioTek ELx808	+	-
Interleukin 1- β	Heparinized, Citrated and EDTA plasma, Serum, cell culture supernatant	ELISA	AA-012, 18/08.2022	BioTek ELx808	+	+
Interleukin 6	Heparinized, Citrated and EDTA plasma, Serum, cell culture supernatant	ELISA	AA-038, 09/02.2021	BioTek ELx808	-	+
Complementaktivation: C3a, C5a, sC5b-9	Citrated and EDTA plasma	ELISA	AA-004, 11/03.2018	BioTek ELx808	-	+

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Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Leptin	Heparinized, Citrated and EDTA plasma, Serum	ELISA	AA-101, 01/05.2020	BioTek ELx808	+	-
Myeloperoxidase (MPO)	EDTA plasma	ELISA	AA-024, 09/06.2015	BioTek ELx808	-	+
ox LDL	Heparinized and EDTA plasma, Serum	ELISA	AA-036, 08/06.2015	BioTek ELx808	-	+
Platelet factor 4 (PF4)	CTAD plasma	ELISA	AA-015, 14/07.2019	BioTek ELx808	-	+
PMN Elastase	Citrated and EDTA plasma	ELISA	AA-022, 06/08.2022	BioTek ELx808	-	+
Thrombin-Antithrombin III-Complex (TAT)	Citrated plasma	ELISA	AA-003, 11/03.2018	BioTek ELx808	-	+
TNF- α	Heparinized, Citrated and EDTA plasma, cell culture supernatant	ELISA	AA-029, 05/04.2023	BioTek ELx808	-	+
Factor V	Citrated and EDTA plasma	ELISA	AA-069, 06/07.2019	BioTek ELx808	-	+
Factor X	Citrated and EDTA plasma	ELISA	AA-070, 04/07.2019	BioTek ELx808	-	+
Protein C	Citrated plasma	ELISA	AA-071, 04/06.2015	BioTek ELx808	+	-

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Area of analysis: Biochemistry/Clinical chemistry

Mode of analysis: Chromatography

High Performance Liquid Chromatography (HPLC)

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Indoxyl sulfate	Heparinized, Citrated and EDTA plasma, Serum, Aqueous solutions	HPLC	AA-060, 08/03.2017	Dionex Ultimate 3000	+	+
p-Cresyl sulfate	Heparinized, Citrated and EDTA plasma, Serum, Aqueous solutions	HPLC	AA-060, 08/03.2017	Dionex Ultimate 3000	+	+

Area of analysis: Biochemistry/Clinical chemistry

Mode of analysis: Elektrophoresis

Elektrophoresis (SDS-Gelelektrophoresis)

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Relative molecular weight of proteins	Heparinized, Citrated and EDTA plasma, Serum, Hemofiltrate	SDS-Gel electrophoresis	AA-051, 03/06.2015	Electrophoresis equipment EPS 301	+	+
Proteins	Heparinized, Citrated and EDTA plasma, Serum, Hemofiltrate	Gel electrophoresis (IEF / 2-D PAGE)	AA-073, 01/12.2013	Electrophoresis equipment EPS 301	+	+

DIRECTORY OF SERVICES

Area of analysis: Biochemistry/Clinical chemistry

Mode of analysis: Electrochemical measurements

Potentiometry

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Na ⁺	Heparinized blood, Plasma, Serum, Aqueous solutions	Potentiometry	BA-014, 02/01.2024 BA-022, 01/06.2015	Cobas b 123 OPTI CCA-TS	-	+
K ⁺	Heparinized blood, Plasma, Serum, Aqueous solutions	Potentiometry	BA-014, 02/01.2024 BA-022, 01/06.2015	Cobas b 123 OPTI CCA-TS	-	+
Cl ⁻	Heparinized blood, Plasma, Serum, Aqueous solutions	Potentiometry	BA-014, 02/01.2024 BA-022, 01/06.2015	Cobas b 123 OPTI CCA-TS	-	+
Ca ²⁺	Heparinized blood, Plasma, Serum, Aqueous solutions	Potentiometry	BA-014, 02/01.2024 BA-022, 01/06.2015	Cobas b 123 OPTI CCA-TS	-	+
pH	Heparinized blood, Plasma, Serum, Aqueous solutions	Potentiometry	BA-014, 02/01.2024 BA-022, 01/06.2015	Cobas b 123 OPTI CCA-TS	-	+
PO ₂	Heparinized blood	Amperometry	BA-014, 02/01.2024 BA-022, 01/06.2015	Cobas b 123 OPTI CCA-TS	-	+
PCO ₂	Heparinized blood	Potentiometry	BA-014, 02/01.2024 BA-022, 01/06.2015	Cobas b 123 OPTI CCA-TS	-	+

DIRECTORY OF SERVICES

Area of analysis: Biochemistry/Clinical chemistry

Mode of analysis: Fluorescence spektrometry

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Cytotoxicity ex vivo according to DIN EN ISO 10993-5	Aqueous solutions, Extracts	Fluorimetry	AA-035, 07/07.2019 DIN EN ISO 10993-5, DIN EN ISO 10993-12	BioTek ELx808	+	-

Area of analysis: Biochemistry/Clinical chemistry

Mode of analysis: Light microscopy

Analyte (measured variable)	Sample material (Matrix)	Method	SOP/Standard	Equipment	In house-Procedure	Accredited
Blood slides, Microscopic evaluation of blood slides, Erythrocytes	Blood slide	Microscopy	AA-097, 01/06.2016	RAL Stainbox, HemaPrep, Leitz, Laborlux 12	+	-