

**DGA** Deutsche Gesellschaft für Akkreditierung mbH

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**Annex for Accreditation Certificate DGA-ML-6395.05.00 (23.10.2009)**

This accreditation is valid until: 19<sup>th</sup> October 2010

Certificate owner:

**Acibadem Labmed Sağlık Hizmetleri A.Ş.**  
**Altunizade Mah. Ord. Prof. F. Kerim Gökay Cad. , No: 49**  
**34662 Üsküdar, Istanbul**  
**Turkey**

**at the sites:**

**Central laboratory**

Altunizade Mah. Ord. Prof. F. Kerim Gökay Cad. , No: 49  
34662 Üsküdar, Istanbul

**Hospital Laboratories**

**Acibadem Hospital Laboratory** (abbrev. **ACB**)  
Tekin Sokak. No.8,  
Kadikoy – 34718, Istanbul

**Bakirköy Hospital Laboratory** (abbrev. **BAK**)  
Halit Ziya Usakligil Cad. No.1,  
Bakirkoy – 34140, Istanbul

**Kozyatagi Hospital Laboratory** (abbrev. **KOZ**)  
Inonu Cad. Okur Sokak. No. 20,  
Kozyatagi – 34742, Istanbul

**Bursa Hospital Laboratory** (abbrev. **BUR**)  
Fatih Sultan Mehmet Bulvarı, Sümer Sk. No.1,  
Nilüfer - 16160, Bursa

**International Hospital Laboratory** (abbrev. **INT**)  
Istanbul Cad No.82,  
Yeşilkoy - 34800, Istanbul

**Kocaeli Hospital Laboratory** (abbrev. **KOC**)  
Yenimahalle Inkilap Cad. No: 9,  
41100, Kocaeli

**Adana Hospital Laboratory** (abbrev. **ADA**)  
Doseme Mah. Cumhuriyet Cad. No 66  
Adana

**Kayseri Hospital Laboraory** (abbrev. **KAY**)  
Seyitgazi Mah. Mustafa Kemal Pasa  
Bulvarı No:1 Melikgazi, Kayseri

**Maslak Hospital Laboratory** (abbrev. **MAS**)  
Buyukdere Cad. No 40  
Maslak/Sarıyer, Istanbul

### **Outpatient Clinic Laboratories**

**Bagdad Outpatient Clinic Laboratory** (abbrev. **BAG**)  
Caddebostan, Bagdat Cad. No. 289,  
Kadikoy - 34728, Istanbul

**Etiler Outpatient Clinic Laboratory** (abbrev. **ETI**)  
Nispetiye Cad. No. 40/8,  
Levent - 34340, Istanbul

**Beylikdüzü Medical Center Laboratory** (abbrev. **BEY**)  
Beylikdüzü, Barış Mah. Zafer Cad. No:2, A Blok,  
Büyükkçekmece - 34520, Istanbul

**Atasehir Medical Center Laboratory** (abbrev. **ATA**)  
Kucukbakkalkoy Mah. Karaman Ciftligi yolu  
No.2 Kadikoy-34750, Istanbul

### **Regional Laboratories**

**Acibadem Labmed Regional Laboratory Antaly** (abbrev. **ANT**)  
Hizir Reis Cad. Tugay Apt. No: 7/2,  
Bahcelievler - 07050, Antalya

**Examinations in the field of**

Medical laboratory diagnosis (ISO 15189:2007)

**in the analytical fields:**

Clinical chemistry (incl. haematology, haemostaseology)

Immunology

Microbiology

Virology

**using the types of test:**

Photometry

Electrochemical tests

Turbidimetry

Flow cytometry

Particle property determinations with automated procedures

Coagulometry

Nephelometry

Ligand assays

Cultural examinations

Microscopy

Agglutination

Gel chromatography

Liquid chromatography-tandem mass spectrometry

**for the individual test methods of:**

KIMS

Electrophoresis

HPLC

Sedimentation tests

Functional examination of patients

Lee and White Method

Dual monoclonal antibody sandwich

Reflection photometry

Qualitative tests (simple) with visual examination

Rapid chromatographic immunoassay

Immuno chromatography

Immunoassay

Amplification

Competative Binding

Flexible scope of accreditation

Within the indicated types of tests the laboratory may modify or introduce examination procedures without prior approval from DGA. The listed examination procedures are examples only.

## Central laboratory

### Analytical field: Clinical Chemistry (incl. hematology and hemostaseology)

#### Type of test: Photometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Transferase; alanine amino (ALT) (SGPT)	Serum	Photometry
Albumin	Serum, body fluid	Photometry
Phosphatase, alkaline (ALP)	Serum	Photometry
Amylase	Serum, body fluid, urine	Photometry
Transferase; aspartate amino (AST) (SGOT)	Serum	Photometry
Bilirubin, direct	Serum	Photometry
Bilirubin, total	Serum	Photometry
Urea nitrogen (BUN)	Serum, urine	Photometry
Iron	Serum	Photometry
Iron binding capacity	Serum	Photometry
Phosphorus inorganic	Serum, urine	Photometry
Glutamyltransferase, gamma (GGT)	Serum	Photometry
Glucose	Serum, urine, CSF, body fluid	Photometry
Hemoglobin A1c (HbA1c)	Whole blood (EDTA)	Photometry
Calcium	Serum, urine	Photometry
Calcium	Serum, urine	Photometry
Calcium / creatinine, urine	Urine	Photometry
Calcium / creatinine, urine	Urine	Photometry
Cholesterol, HDL	Serum	Photometry
Cholesterol, LDL	Serum	Photometry
Cholesterol, total	Serum	Photometry
Creatine kinase (CK), (CPK); total	Serum	Photometry
Creatine kinase-MB (CK-MB)	Serum	Photometry
Creatinine	Serum, urine	Photometry
Creatinine, clearance	Serum+Urine, 24 h	Photometry
Lactate dehydrogenase (LD), (LDH);	Serum, CSF, body fluid	Photometry
Lactate	EDTA, Serum, body fluid, CSF	Photometry
Lipase	Serum	Photometry
Magnesium (Mg)	Serum, urine	Photometry
Magnesium (Mg)	Serum, urine	Photometry
Protein, urine	Urine, CSF	Photometry
Protein, urine	Urine, CSF	Photometry
Protein, total	Serum, body fluid	Photometry
Triglycerides	Serum	Photometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Uric acid	Serum, urine, body fluid	Photometry
Zinc	Serum, urine, body fluid	Photometry
Osmotic fragility, RBC	Whole Blood (Heparin)	Photometry
G6PD	Whole Blood (EDTA)	Photometry
Ammonia	Plasma (EDTA)	Photometry
Fructosamin	Serum	Photometry
Cholinesterase	Serum	Photometry
Acid phosphatase (TAP)	Serum	Photometry
Acid phosphatase (PAP)	Serum	Photometry
Antithrombin III	Plasma (Citrate)	Photometry
Protein C, total	Plasma (Citrate)	Photometry
ACE	Serum	Photometry
Citrate	Serum, urine	Photometry
Oxalate	Serum, urine	Photometry
Biotinidase	Serum	Photometry
Bicarbonate	Serum	Photometry

### Type of test: Ligand assays

#### Fluorescence polarization

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Carbamazepine	Serum	Fluorescence polarization
Phenytoin (diphenylhydantoine)	Serum	Fluorescence polarization
Phenobarbital	Serum	Fluorescence polarization
Valproic acid	Serum	Fluorescence polarization
Theophyllin	Serum	Fluorescence polarization
Salicylate	Serum	Fluorescence polarization
Vancomycin	Serum	Fluorescence polarization
Gentamicin	Serum	Fluorescence polarization
Acetaminphen	Serum	Fluorescence polarization

#### Individual test methods of: KIMS

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Digoxin	Serum	KIMS

### Type of test: Electrochemical tests

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Chloride	Serum, urine, body fluid	Ion selective module
Potassium	Serum, urine, body fluid	Ion selective module
Sodium (Na)	Serum, urine, CSF, body fluid	Ion selective module

**Type of test: Turbidimetry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
C-reactive protein (CRP), quantitative	Serum	Turbidimetry
C-reactive protein (hsCRP), ultrasensitive	Serum	Turbidimetry
Immunoglobulin IgA	Serum	Turbidimetry
Immunoglobulin IgG	Serum	Turbidimetry
Immunoglobulin IgM	Serum	Turbidimetry
Lipoprotein (a) (Lp(a))	Serum	Turbidimetry
Lipoprotein (a) (Lp(a))	Serum	Turbidimetry
Antistreptolysin O, (ASO), quantitative	Serum	Turbidimetry
Rheumatoid Factor	Serum	Turbidimetry
Apolipoprotein A1	Serum	Turbidimetry
Apolipoprotein B	Serum	Turbidimetry

**Individual test methods of: Electrophoresis**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Protein	Serum	Electrophoresis
Immunofixation	Serum, Urine	Electrophoresis

**Individual test methods of: HPLC**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Hemoglobin subfractions	Whole blood (EDTA)	HPLC (Spectra)
25-OH Vit D	Serum	HPLC
5-HIAA	Urine	HPLC
VMA	Urine	HPLC
HVA	Urine	HPLC
METANEFNRIN	Urine	HPLC
NORMETANEFNRIN	Urine	HPLC

**Type of test: Flow cytometry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
White blood cell count	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Neutrophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Lymphocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Monocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Eosinophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Basophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Nucleated RBC Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Neutrophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Lymphocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Monocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Eosinophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Basophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Nucleated RBC count	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Immature Granulocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Immature Granulocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Hemapoetic Progenitor Cell Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Hemapoetic Progenitor Cell Count	Whole blood (EDTA), CSF, body fluid	RF/DC detection
Red Blood Cell Count	Whole blood (EDTA), CSF, body fluid	RF/DC detection
Hemoglobin	Whole blood (EDTA), CSF, body fluid	SLS hemoglobin methode
Hematocrit	Whole blood (EDTA), CSF, body fluid	RBC cumulative pulse detection
Mean Corpuscular Volume	Whole blood (EDTA), CSF, body fluid	calculated
Mean Corpuscular Hemoglobin	Whole blood (EDTA), CSF, body fluid	calculated
Mean Corpuscular Hemoglobin Concentration	Whole blood (EDTA), CSF, body fluid	calculated
RBC Distribution Width-CV	Whole blood (EDTA), CSF, body fluid	calculated
RBC Distribution Width-SD	Whole blood (EDTA), CSF, body fluid	calculated
Platelet Count	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Mean Platelet Volume	Whole blood (EDTA), CSF, body fluid	calculated
Platelet Distibution Width	Whole blood (EDTA), CSF, body fluid	calculated
Platelet Large Cell Ratio	Whole blood (EDTA), CSF, body fluid	calculated
Plateletcrit	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Reticulocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Reticulocyte Count	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Immature Reticulocyte Fraction	Whole blood (EDTA), CSF, body fluid	Flow cytometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Low Fluorescence Ratio	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Middle Fluorescence Ratio	Whole blood (EDTA), CSF, body fluid	Flow cytometry
High Fluorescence Ratio	Whole blood (EDTA), CSF, body fluid	Flow cytometry
Reticulocyte Hemoglobin Equivalent	Whole blood (EDTA), CSF, body fluid	Flow cytometry

### Type of test: Coagulometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
aPTT	Plasma (Citrate)	Coagulometry/BCT
Factor IX	Plasma (Citrate)	Coagulometry/BCT
Factor VIII	Plasma (Citrate)	Coagulometry/BCT
Fibrinogen	Plasma (Citrate)	Coagulometry/BCT
Fibrinogen	Plasma (Citrate)	Coagulometry/BCT
Lupus anticogulant	Plasma (Citrate)	Coagulometry/BCT
Protein S, total	Plasma (Citrate)	Coagulometry/BCT
Prothrombin time;	Plasma (Citrate)	Coagulometry/BCT
Thrombin time(TT), plasma	Plasma (Citrate)	Coagulometry/BCT
aPTT	Plasma (Citrate)	Coagulometry/Stago Compact
Prothrombin time;	Plasma (Citrate)	Coagulometry/Stago Compact
Fibrinogen	Plasma (Citrate)	Coagulometry/Stago Compact
APC	Plasma (Citrate)	Coagulometry/Stago Compact
FVIII Activity	Plasma (Citrate)	Coagulometry/Stago Compact
FIX Activity	Plasma (Citrate)	Coagulometry/Stago Compact
Protein C	Plasma (Citrate)	Coagulometry/Stago Compact
Fxa Activity	Plasma (Citrate)	Coagulometry/Stago Compact
Thrombin time(TT), plasma	Plasma (Citrate)	Coagulometry/Stago Compact
FXIII	Plasma (Citrate)	Coagulometry/Stago Compact

**Type of test: Aggregometry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Trombocyte Function Test	Plasma (Hirudin)	Impedance Aggregometry
Aspirine-Drug sensitivity test	Plasma (Hirudin)	Impedance Aggregometry
Clopidogrel-Drug sensitivity test	Plasma (Hirudin)	Impedance Aggregometry
Abxicimab-Drug sensitivity test	Plasma (Hirudin)	Impedance Aggregometry

**Type of test: Automated Image Analysis System**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Peripheral Blood Smear	Whole Blood (EDTA)	Image Analysis System

**Type of test: Nephelometry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Albumin, CSF	CSF	Nephelometry
Microalbumin, urine	Urine	Nephelometry
Transferrin	Serum	Nephelometry
Complement component C3	Serum	Nephelometry
Complement component C4	Serum	Nephelometry
Soluble transferrin receptor (sTfR)	Serum	Nephelometry
Beta-2 microglobulin	Serum	Nephelometry
Rheumatoid factor (RF)	Serum	Nephelometry
Ig/L-chain, Type Kappa	Urine	Nephelometry
Ig/L-chain, Type Lambda	Urine	Nephelometry
IgG subclasses	Serum	Nephelometry
IgA	Serum	Nephelometry
IgG	Serum, CSF	Nephelometry
Haptoglobin	Serum	Nephelometry
Ceruloplasmin	Serum	Nephelometry
Alpha 1 antitrypsin	Serum	Nephelometry
Prealbumin	Serum	Nephelometry
Homocysteine	Plasma (EDTA)	Nephelometry

**Analytical field: Immunology****Type of test: Flow cytometry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Lymphocyte subgroups	Whole blood (EDTA), CSF, body fluid, cord blood, bone marrow	Flow cytometry
Leukemia Panel	Whole blood (EDTA), CSF, body fluid, cord blood, bone marrow	Flow cytometry
Lymphoma Panel	Whole blood (EDTA), CSF, body fluid, cord blood, bone marrow	Flow cytometry
CD34 count	Whole blood (EDTA), CSF, body fluid, cord blood, bone marrow	Flow cytometry
Anti-trombocyte antibody	Whole blood (EDTA), CSF, body fluid, cord blood, bone marrow	Flow cytometry
PNH	Whole blood (EDTA), CSF, body fluid, cord blood, bone marrow	Flow cytometry
DNA Ploidy	Whole blood (EDTA), CSF, body fluid, cord blood, bone marrow	Flow cytometry
Neutrophil Function test	Whole Blood (Heparin)	Flow cytometry

**Type of test: Ligand assays****ECLIA**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Triiodothyronine (T3), total	Serum	ECLIA
Thyroxine (T4), total	Serum	ECLIA
Thyroid stimulating hormone (TSH)	Serum	ECLIA
Triiodothyronine, free (FT3)	Serum	ECLIA
Thyroxine (T4), free	Serum	ECLIA
Thyroglobulin (hTg)	Serum	ECLIA
Thyroid peroxidase (TPO) antibody	Serum	ECLIA
Thyroglobulin antibody	Serum	ECLIA
Follicle stimulating hormone (FSH)	Serum	ECLIA
Luteinizing hormone (LH)	Serum	ECLIA
Progesterone	Serum	ECLIA
Prolactin (PRL)	Serum	ECLIA
Macroprolactin (PRL)	Serum	ECLIA
Testosterone, total	Serum	ECLIA
Gonadotropin, chorionic (hCG), quantitative	Serum	ECLIA

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Ferritin	Serum	ECLIA
Estradiol (E2)	Serum	ECLIA
Cancer antigen CA 15-3	Serum	ECLIA
Cancer antigen CA 19-9	Serum	ECLIA
Cancer antigen CA 125	Serum	ECLIA
CEA (Carcinoembryonic antigen)	Serum	ECLIA
Alpha-fetoprotein; serum	Serum	ECLIA
Prostate specific antigen (PSA), total	Serum	ECLIA
Prostate specific antigen (PSA), free	Serum	ECLIA
Cortisol; total	Serum	ECLIA
İdrarda cortisol	ıdrar	ECLIA
Adrenocorticotropic hormone (ACTH)	Serum	ECLIA
C-Peptide	Serum	ECLIA
Dehydroepiandrosterone-sulfate (DHEA-S)	Serum	ECLIA
Insulin	Serum	ECLIA
Immunoglobulin E; IgE, total	Serum	ECLIA
Parathyroid hormone (PTH), intact	Serum	ECLIA
Vitamin B12	Serum	ECLIA
Folic Acid (folate)	Serum	ECLIA
25-OH Vit D	Serum	ECLIA
Adrenocorticotropic hormone (ACTH)	Serum	ECLIA
C-Peptide	Serum	ECLIA
SHBG	Serum	ECLIA
NSE	Serum	ECLIA
Osteocalcin	Heparin-Plasma	ECLIA
Hepatitis C antibody (anti-HCV)	Serum	ECLIA
Hepatitis A antibody (anti-HAV), total	Serum	ECLIA
Hepatitis A antibody, IgM (anti-HAV IgM)	Serum	ECLIA
Hepatitis Bc antibody (anti-HBc), total	Serum	ECLIA
Hepatitis Bc antibody , IgM (anti-HBc IgM)	Serum	ECLIA
Hepatitis Bc antibody , IgM (anti-HBc IgM)	Serum	ECLIA
Hepatitis Be antigen (HBeAg)	Serum	ECLIA
Hepatitis Be antigen (HBeAg)	Serum	ECLIA

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Hepatitis Be antibody (anti-HBe)	Serum	ECLIA
Hepatitis Be antibody (anti-HBe)	Serum	ECLIA
Hepatitis Bs antigen (HBsAg)	Serum	ECLIA
Hepatitis Bs antibody (anti-HBs)	Serum	ECLIA
HIV antibody (1&2) + p24 antigen	Serum	ECLIA

## ELISA

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Neonatal TSH	Kapiller kan	ELISA
Testosterone, free	Serum	ELISA
Gliadin antibody, IgA	Serum	ELISA
Gliadin antibody, IgA	Serum	ELISA
Gliadin antibody, IgG	Serum	ELISA
Gliadin antibody, IgG	Serum	ELISA
Cardiolipin antibody IgG	Serum	ELISA
Cardiolipin antibody IgG	Serum	ELISA
Cardiolipin antibody IgM	Serum	ELISA
Cardiolipin antibody IgM	Serum	ELISA
17-alfa-hydroxyprogesteron	Serum	ELISA
Cyclic Citrullinated Peptide Antibody (anti-CCP)	Serum	ELISA
Helicobacter pylori IgG	Serum	ELISA
Helicobacter pylori IgG	Serum	ELISA
Helicobacter pylori IgA	Serum	ELISA
Helicobacter pylori IgA	Serum	ELISA
Endomisyum IgG	Serum	ELISA
Endomisyum IgG	Serum	ELISA
Aldosterone	Serum	ELISA
Tissue transglutaminase IgG	Serum	ELISA
Tissue transglutaminase IgG	Serum	ELISA
Tissue transglutaminase IgA	Serum	ELISA
Tissue transglutaminase IgA	Serum	ELISA
Brucella IgG	Serum	ELISA
Brucella IgM	Serum	ELISA
Rubeola IgG	Serum	ELISA

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Rubeola IgM	Serum	ELISA
Hepatitis D Virus Antibody (Anti-HDV, Total)	Serum	ELISA

### Chemiluminescence EIA

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Down screening, second trimester	Serum	CEIA
IGF1	Serum	CEIA
GH	Serum	CEIA
Specific IgE- Cow' s Milk (f2)	Serum	Chemiluminescence
Specific IgE- Egg White (f1)	Serum	Chemiluminescence
Specific IgE- Wheat Flour (f4)	Serum	Chemiluminescence
Specific IgE- Dermatophagoides Pteronyssinus(d1)	Serum	Chemiluminescence
Specific IgE- Dermatophagoides Farinae(d2)	Serum	Chemiluminescence
Specific IgE- Children' s Food panel (fx5)	Serum	Chemiluminescence
Specific IgE- House Dust greer (h1)	Serum	Chemiluminescence
Specific IgE- House dust (holister stier)(h2)	Serum	Chemiluminescence
Specific IgE- Cat epithelium and dander (e1)	Serum	Chemiluminescence
Specific IgE- Dog epithelium (e2)	Serum	Chemiluminescence
Specific IgE- Dog dander (e5)	Serum	Chemiluminescence
Specific IgE- Feathers/e70,e85,e86,e89 (ex71)	Serum	Chemiluminescence
Specific IgE- Tomato (f25)	Serum	Chemiluminescence
Specific IgE- Gluten (f79)	Serum	Chemiluminescence
Specific IgE- Banana (f92)	Serum	Chemiluminescence
Specific IgE- Cacao (f93)	Serum	Chemiluminescence
Specific IgE- Egg yolk (f75)	Serum	Chemiluminescence

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Specific IgE-Food/f3,f24,f37,f40,f41 (fx2)	Serum	Chemiluminescence
Specific IgE-Food/f4,f7,f8,f10, f11 (fx3)	Serum	Chemiluminescence
Specific IgE-Grass pollen/g2,g5,g6,g8,g10,g17 (gx2)	Serum	Chemiluminescence
Specific IgE-Grass pollen/g1,g5,g6,g12,g13 (gx3)	Serum	Chemiluminescence
Specific IgE- Latex (k82)	Serum	Chemiluminescence
Specific IgE-Moulds/m1,m2,m3,m6, (mx1)	Serum	Chemiluminescence
Specific IgE- Tree pollen/t1,t7,t8,t14, t22 (tx2)	Serum	Chemiluminescence
Specific IgE- Tree pollen/t9,t12,t16, t18, t19,t21 (tx7)	Serum	Chemiluminescence
PHAD/Alatop	Serum	Chemiluminescence
ECP (Eosinophil cationic protein)	Serum	Chemiluminescence
Spesific IgE-gx1	Serum	Chemiluminescence
Spesific IgE-wx1	Serum	Chemiluminescence
Spesific IgE-wx3	Serum	Chemiluminescence
Spesific IgE-wx5	Serum	Chemiluminescence
Spesific IgE-fx1	Serum	Chemiluminescence
Spesific IgE-tx9	Serum	Chemiluminescence
Spesific IgE-tx1	Serum	Chemiluminescence
Specific IgE-Feathers/e78,e201,e213,e 214 (ex72)	Serum	Chemiluminescence
Specific IgE-House dust/h1,d1,d2,i6, (hx1)	Serum	Chemiluminescence
Down screening, second trimester	Serum	Chemiluminescence
Androstenedion	Serum	Chemiluminescence

**ILMA**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Down screening, first trimester	Serum	TRACE-FIA

**Immunoblot**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
ENA profile	Serum	Immunoblot

**IFA**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Anti-nuclear antibody (ANA)(IFA)	Serum	IFA
Anti-neutrophilic cytoplasm antibodies (ANCA)	Serum	IFA
Anti-parietal cells antibodies (APCA)	Serum	IFA
Anti-ds DNA	Serum	IFA
T.pallidum IgG (FTA-ABS)	Serum	IFA
T.pallidum IgM (FTA-ABS)	Serum	IFA
AMA	Serum	IFA
ASMA	Serum	IFA
EMA IgA	Serum	IFA
Chlamydia trachomatis IgM	Serum	IFA
Chlamydia trachomatis IgG	Serum	IFA
Chlamydia pneumonia IgM	Serum	IFA
Chlamydia pneumonia IgG	Serum	IFA
EBV profile	Serum	IFA
Anti-LKM Ab	Serum	IFA
Sentromer antikoru	Serum	IFA
Echinococcus IgG	Serum	IFA
Echinococcus IgM	Serum	IFA

**Type of test: Agglutination**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Rapid plasma reagin (RPR)	Serum	Flocculation
Salmonella agglutination	Serum	Agglutination
Brucella agglutination	Serum	Agglutination
Venereal Disease Research Laboratory (VDRL)	Serum, cerebrospinal fluid	Flocculation
Venereal Disease Research Laboratory (VDRL), titer	Serum, cerebrospinal fluid	Flocculation

**Type of test: Competative Binding**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Drug Abuse Screening Test	Urine	Competative Binding

**Analytical field: Virology****Type of test: Ligand assays****ELISA**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Herpes simplex virus (HSV) type 1 IgG	Serum	ELISA
Herpes simplex virus (HSV) type 1 IgG	Serum	ELISA
Herpes simplex virus (HSV) type 1 IgM	Serum	ELISA
Herpes simplex virus (HSV) type 1 IgM	Serum	ELISA
Herpes simplex virus (HSV) type 2 IgG	Serum	ELISA
Herpes simplex virus (HSV) type 2 IgG	Serum	ELISA
Herpes simplex virus (HSV) type 2 IgM	Serum	ELISA
Herpes simplex virus (HSV) type 2 IgM	Serum	ELISA
Epstein-Barr antibody(EBV IgG)	Serum	ELISA
Epstein-Barr antibody(EBV IgG)	Serum	ELISA
Epstein-Barr antibody(EBV IgM)	Serum	ELISA
Epstein-Barr antibody(EBV IgM)	Serum	ELISA
Mumps IgG	Serum	ELISA
Mumps IgG	Serum	ELISA
Mumps IgM	Serum	ELISA
Mumps IgM	Serum	ELISA
Varizella Zoster IgM	Serum	ELISA
Varizella Zoster IgM	Serum	ELISA
Varizella Zoster IgG	Serum	ELISA
Varizella Zoster IgG	Serum	ELISA
Measles IgM	Serum	ELISA
Measles IgM	Serum	ELISA
Measles IgG	Serum	ELISA
Measles IgG	Serum	ELISA
EBV VCA IgG	Serum	ELISA
EBV VCA IgG	Serum	ELISA
EBV VCA IgM	Serum	ELISA
EBV VCA IgM	Serum	ELISA
cANCA( AntiPR3)	Serum	ELISA
pANCA( AntiMPO)	Serum	ELISA
TSH Reseptör antikoru	Serum	ELISA
AntidsDNA,EIA	Serum	ELISA

**ELFA**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Rubella antibody, IgG	Serum	ELFA
Rubella antibody, IgM	Serum	ELFA
Cytomegalovirus antibody, IgG (CMV IgG)	Serum	ELFA
Cytomegalovirus antibody, IgM (CMV IgM)	Serum	ELFA
Toxoplasma antibody, IgG	Serum	ELFA
Toxoplasma antibody, IgM	Serum	ELFA
Toxoplasma IgG avidity	Serum	ELFA
CMV IgG Avidity	Serum	ELFA
HIV antibody, 1&2	Serum	ELFA

**EIA**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Chlamydia trachomatis antigen	Urethral, cervical, urine, ocular swab	EIA

**Type of test: Agglutination (Rapid hemagglutination slide test)**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Heterophil antibody (Mononucleosis-EBV)	Serum	Rapid hemagglutination slide test

**Individual test methods of: Immunochromatography**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Adenovirus antigen	Stool	Immunochromatography
Rotavirus antigen	Stool	Immunochromatography
Influenza A+B	Nasopharyngeal swab/ Throat and Nasal swab/discharge	Immunochromatography
Helicobacter pylori antigen (HpSA)	Stool	Immunochromatography

**Type of test: Immunoblotting**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
AMA SUBGROUPS	Serum	Immunoblotting

**Analytical field: Microbiology****Type of test: Cultural examinations**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Aerob culture	Ocular, auricular, nasal secretion, body fluid	Culture
Blood culture	Blood	Culture
Sputum culture	Sputum	Culture
Throat culture	Throat	Culture
CSF culture	CSF	Culture
Stool culture	Stool	Culture
Urine culture	Urine	Culture
Fungal culture	All sample types	Culture
Urethral culture	Urethral secretion	Culture
Gonococ culture	Urethral, cervical secretion	Culture
Anaerob culture	Pus, aspirate	Culture
Urogenital Ureaplasma/Mycoplasma culture	Urethral, cervical secretion, urine, semen	Culture
Vaginal culture	Vaginal, cervical secretion	Culture
Pus culture	Pus	Culture
Semen culture	semen	Culture
Endotracheal aspirate culture	Endotracheal aspirate, bronchial alveolar lavage (BAL)	Culture
Mycobacteria (Tbc) rapid culture	Sputum, CSF, gastric aspirate, urine, body fluid, tissue	Culture

**Analytical field: Molecular Microbiology****Type of test: Molecular examinations**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
HBV DNA	Serum, Plasma	PCR
HCV RNA	Serum, Plasma	PCR
HCV RNA	Serum, Plasma	PCR
CMV DNA	Urine, cerebrospinal fluid, sputum, bronchoalveolar lavage, breast milk, Plasma(EDTA)	PCR
Mycobacterium tuberculosis DNA	Urine, sputum, bronchoalveolar lavage, cerebrospinal fluid, fasting gastric fluid, pericardial fluid, synovial fluid, periton fluid, pleural fluid.	PCR
Influenza A (H1N1) PCR	Bronchoalveolar Lavage, Nasopharyngeal swap, Nasopharyngeal aspirate	PCR

**Individual test methods of: Lateral flow immunoassay**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Streptococcus (group A) rapid test	Throat swab	Lateral flow immunoassay

**Type of test: Microscopy**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Stool examination for ova and parasites	Stool	Microscopy
Microscopic examination, stool	Stool	Microscopy
Stool parasites (screening)	Perianal material	Microscopy
Microscopic examination for fungi	All sample types	Microscopy
AFB stain	Sputum, CSF, gastric aspirate, urine, body fluid, tissue	Microscopy
Microscopic examination, Gram stain	Gram stained slide	Microscopy
Blood smear for malaria	Slide/whole blood (EDTA)	Microscopy

**Type of test: Ligand assays****Immunoassay**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Clostridium difficile toxin A+B	Stool	Immunoassay

**Type of test: Agglutination (IHA)**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
TPHA (treponema pallidum hemagglutination antibody)	Serum	IHA
Echinococcus antibody	Serum	IHA

**Type of test: Liquid chromatography-tandem mass spectrometry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Phenylketonuria (PKU) Screening test	Capillary blood	Liquid chromatography-tandem mass spectrometry
Metabolic Screening- Amino acid and acylcarnitine profile	Capillary blood	Liquid chromatography-tandem mass spectrometry
Alanine	Capillary blood	Liquid chromatography-tandem mass spectrometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Phenylalanine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Leucine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Valine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Arginine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Citrulline	Capillary blood	Liquid chromatography-tandem mass spectrometry
Glutamic Acid	Capillary blood	Liquid chromatography-tandem mass spectrometry
Tyrosine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Ornithine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Methionine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Arpartic Acid	Capillary blood	Liquid chromatography-tandem mass spectrometry
Glycine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Free carnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Acetylcarnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Propionylcarnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Butyrylcarnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Isovalerylcarnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Hexanoylcarnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Octanoylcarnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics
Glutaryl carnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Decanoyl carnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Lauroyl carnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Myristoyl carnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Palmitoyl carnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Octadecanoyl carnitine	Capillary blood	Liquid chromatography-tandem mass spectrometry
Homocysteine	Serum/Plasma	Liquid chromatography-tandem mass spectrometry
Amino acid profile	Serum/Urine/BOS	Liquid chromatography-tandem mass spectrometry
Organic acid profile	Urine	Liquid chromatography-tandem mass spectrometry

## Hospital Laboratories

### Analytical field: Clinical Chemistry (incl. hematology and hemostaseology)

#### Type of test: Photometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Transferase; alanine amino (ALT) (SGPT)	Serum	Photometry	*	*	*	*	*	*	*	*	*
Albumin	Serum, body fluid	Photometry			*	*	*	*	*	*	*
Phosphatase, alkaline (ALP)	Serum	Photometry	*			*		*	*	*	*
Amylase	Serum, body fluid, urine	Photometry	*	*	*	*	*	*	*	*	*
Transferase; aspartate amino (AST) (SGOT)	Serum	Photometry	*	*	*	*	*	*	*	*	*
Bilirubin, direct	Serum	Photometry	*	*	*	*	*	*	*	*	*
Bilirubin, total	Serum	Photometry	*	*	*	*	*	*	*	*	*
Urea nitrogen (BUN)	Serum, urine	Photometry	*	*	*	*	*	*	*	*	*
Iron	Serum	Photometry				*		*	*	*	*
Iron binding capacity	Serum	Photometry				*		*	*	*	*
Phosphorus inorganic	Serum, urine	Photometry			*	*		*	*	*	*
Glutamyltransferase, gamma (GGT)	Serum	Photometry		*	*	*		*	*	*	*
Glucose	Serum, urine, CSF, body fluid	Photometry	*	*	*	*	*	*	*	*	*
Hemoglobin A1c (HbA1c)	Whole blood (EDTA)	Photometry				*		*	*	*	*
Calcium	Serum, urine	Photometry	*	*	*	*		*	*	*	*
Calcium / creatinine, urine	Urine	Photometry		*	*	*		*	*	*	*
Cholesterol, HDL	Serum	Photometry				*		*	*	*	*
Cholesterol, LDL	Serum	Photometry				*		*	*	*	*
Cholesterol, total	Serum	Photometry				*		*	*	*	*
Creatine kinase (CK), (CPK); total	Serum	Photometry	*	*	*	*	*	*	*	*	*
Creatine kinase-MB (CK-MB)	Serum	Photometry	*	*	*	*	*	*	*	*	*
Creatinine	Serum, urine	Photometry	*	*	*	*	*	*	*	*	*
Creatinine, clearance	Serum+Urine, 24 h	Photometry	*	*	*	*	*	*	*	*	*
Lactate dehydrogenase (LD), (LDH);	Serum, CSF, body fluid	Photometry			*	*		*	*	*	*
Lipase	Serum	Photometry	*	*	*	*	*	*	*	*	*
Magnesium (Mg)	Serum, urine	Photometry	*		*	*		*	*	*	*
Protein, urine	Urine, CSF	Photometry			*	*		*	*	*	*
Protein, total	Serum, body fluid	Photometry				*	*	*	*	*	*
Triglycerides	Serum	Photometry				*		*	*	*	*
Uric acid	Serum, urine, body fluid	Photometry				*		*	*	*	*
Ammonia	Plasma (EDTA)	Photometry			*	*	*	*		*	*

#### Individual test methods of: KIMS

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Digoxin	Serum	KIMS				*		*	*	*	*

**Type of test: Electrochemical tests**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Chloride	Serum, urine, CSF, body fluid	Ion selective module	*	*	*	*	*	*	*	*	*
Lithium	Serum	Ion selective module	*			*		*	*		
Potassium	Serum, urine, CSF, body fluid	Ion selective module	*	*	*	*	*	*	*	*	*
Sodium (Na)	Serum, urine, CSF, body fluid	Ion selective module	*	*	*	*	*	*	*	*	*

**Type of test: Turbidimetry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
C-reactive protein (CRP), quantitative	Serum	Turbidimetry	*	*	*	*	*	*	*	*	*
C-reactive protein (hsCRP), ultrasensitive	Serum	Turbidimetry				*			*		
Antistreptolysin 0, (ASO), quantitative	Serum	Turbidimetry				*		*	*	*	*
Rheumatoid Factor	Serum	Turbidimetry				*		*	*	*	*

**Type of test: Flow cytometry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
White blood cell count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Neutrophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Lymphocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Monocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Eosinophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Basophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Neutrophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Lymphocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Monocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Eosinophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Basophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Red Blood Cell Count	Whole blood (EDTA), CSF, body fluid	Hydro Dynamic Focusing				*			*		*
Hemoglobin	Whole blood (EDTA), CSF, body fluid	SLS hemoglobin methode				*			*		*

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Hematocrit	Whole blood (EDTA), CSF, body fluid	RBC pulse height detection				*			*		*
Mean Corpuscular Volume	Whole blood (EDTA), CSF, body fluid	calculated				*			*		*
Mean Corpuscular Hemoglobin	Whole blood (EDTA), CSF, body fluid	calculated				*			*		*
Mean Corpuscular Hemoglobin Concentration	Whole blood (EDTA), CSF, body fluid	calculated				*			*		*
RBC Distribution Width-CV	Whole blood (EDTA), CSF, body fluid	calculated				*			*		*
RBC Distribution Width-SD	Whole blood (EDTA), CSF, body fluid	calculated				*			*		*
Platelet Count	Whole blood (EDTA), CSF, body fluid	Hydro Dynamic Focusing				*			*		*
Mean Platelet Volume	Whole blood (EDTA), CSF, body fluid	calculated				*			*		*
Platelet Distribution Width	Whole blood (EDTA), CSF, body fluid	calculated				*			*		*
Platelet Large Cell Ratio	Whole blood (EDTA), CSF, body fluid	calculated				*			*		*
Plateletcrit	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*			*		*
Reticulocyte Percent	Whole blood (EDTA), CSF, body fluid	calculated				*					
Reticulocyte Count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*					
Immature Reticulocyte Fraction	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*					
Low Fluorescence Ratio	Whole blood (EDTA), CSF, body fluid	calculated				*					
Middle Fluorescence Ratio	Whole blood (EDTA), CSF, body fluid	calculated				*					
High Fluorescence Ratio	Whole blood (EDTA), CSF, body fluid	calculated				*					

### Type of test: Particle property determinations with automated procedures

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
White blood cell count	Whole blood (EDTA), CSF, body fluid	DC detection				*	*		*		
WBC small cell ratio	Whole blood (EDTA), CSF, body fluid	DC detection				*	*		*		
WBC middle cell ratio	Whole blood (EDTA), CSF, body fluid	DC detection				*	*		*		
WBC large cell ratio	Whole blood (EDTA), CSF, body fluid	DC detection				*	*		*		
WBC small cell count	Whole blood (EDTA), CSF, body fluid	DC detection				*	*		*		
WBC middle cell count	Whole blood (EDTA), CSF, body fluid	DC detection				*	*		*		
WBC large cell count	Whole blood (EDTA), CSF, body fluid	DC detection				*	*		*		

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Red Blood Cell Count	Whole blood (EDTA), CSF, body fluid	DC detection				*	*		*		
Hemoglobin	Whole blood (EDTA), CSF, body fluid	SLS hemoglobin methode				*	*		*		
Hematocrit	Whole blood (EDTA), CSF, body fluid	RBC cumulative pulse detection				*	*		*		
Mean Corpuscular Volume	Whole blood (EDTA), CSF, body fluid	calculated				*	*		*		
Mean Corpuscular Hemoglobin	Whole blood (EDTA), CSF, body fluid	calculated				*	*		*		
Mean Corpuscular Hemoglobin Concentration	Whole blood (EDTA), CSF, body fluid	calculated				*	*		*		
RBC Distribution Width-CV	Whole blood (EDTA), CSF, body fluid	calculated				*	*		*		
RBC Distribution Width-SD	Whole blood (EDTA), CSF, body fluid	calculated				*	*		*		
Platelet Count	Whole blood (EDTA), CSF, body fluid	DC detection				*	*		*		
Mean Platelet Volume	Whole blood (EDTA), CSF, body fluid	calculated				*	*		*		
Platelet Large Cell Ratio	Whole blood (EDTA), CSF, body fluid	calculated				*	*		*		

#### Type of test: Particle property determinations with automated procedures

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
White blood cell count	Whole blood (EDTA), CSF, body fluid									*	
Lymphocyte Count	Whole blood (EDTA), CSF, body fluid									*	
Lymphocyte Percent	Whole blood (EDTA), CSF, body fluid									*	
Mid Count	Whole blood (EDTA), CSF, body fluid									*	
Mid percent	Whole blood (EDTA), CSF, body fluid									*	
Granulocyte Count	Whole blood (EDTA), CSF, body fluid									*	
GranulocytePercent	Whole blood (EDTA), CSF, body fluid									*	
Red Blood Cell Count	Whole blood (EDTA), CSF, body fluid									*	
Hemoglobin	Whole blood (EDTA), CSF, body fluid	Modified Cyanmethemoblobin								*	
Hematocrit	Whole blood (EDTA), CSF, body fluid									*	
Mean Corpuscular Volume	Whole blood (EDTA), CSF, body fluid	calculated								*	
Mean Corpuscular Hemoglobin	Whole blood (EDTA), CSF, body fluid	calculated								*	
Mean Corpuscular Hemoglobin Concentration	Whole blood (EDTA), CSF, body fluid	calculated								*	

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
RBC Distribution Width	Whole blood (EDTA), CSF, body fluid	calculated								*	
Platelet Count	Whole blood (EDTA), CSF, body fluid									*	
Mean Platelet Volume	Whole blood (EDTA), CSF, body fluid	calculated								*	
Plateletcrit	Whole blood (EDTA), CSF, body fluid	calculated								*	
Platelet Distibution Width	Whole blood (EDTA), CSF, body fluid	calculated								*	

### Type of test: Particle property determinations with automated procedures

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
White Blood Cell Count	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Neutrophil Percent	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Neutrophil Count	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Lymphocyte Percent	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Lymphocyte Count	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Monocyte Percent	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Monocyte Count	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Eosinophil Percent	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Eosinophil Count	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Basophil Percent	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Basophil Count	Whole blood (EDTA), CSF, body fluid	Impedance, MAPPS Flow Cytometry								*	
Red Blood Cell Count	Whole blood (EDTA), CSF, body fluid	Hydrodynamic Focusing								*	
Hemoglobin	Whole blood (EDTA), CSF, body fluid	Cyanide Free Hemoglobinometry								*	
Hematocrit	Whole blood (EDTA), CSF, body fluid									*	
Mean Corpuscular Volume	Whole blood (EDTA), CSF, body fluid	Calculated								*	
Mean Corpuscular Hemoglobin	Whole blood (EDTA), CSF, body fluid	Calculated								*	
Mean Corpuscular Hemoglobin Concentration	Whole blood (EDTA), CSF, body fluid	Calculated								*	
RBC Distribution Width	Whole blood (EDTA), CSF, body fluid	Calculated								*	
Platelet Count	Whole blood (EDTA), CSF, body fluid	Hydrodynamic Focusing								*	

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Mean Platelet Volume	Whole blood (EDTA), CSF, body fluid	Calculated								*	
Platelet Distribution Width	Whole blood (EDTA), CSF, body fluid	Calculated								*	
Plateletcrit	Whole blood (EDTA), CSF, body fluid	Calculated								*	
Reticulocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow Cytometry								*	
Reticulocyte Count	Whole blood (EDTA), CSF, body fluid	Flow Cytometry								*	
Immature Reticulocyte Fraction	Whole blood (EDTA), CSF, body fluid	Flow Cytometry								*	

### Type of test: Particle property determinations with automated procedures

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
White blood cell count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Neutrophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Lymphocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Monocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Eosinophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Basophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Immature Granulocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Neutrophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Lymphocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Monocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Eosinophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Basophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*	*	*			*			
Red Blood Cell Count	Whole blood (EDTA), CSF, body fluid	Hydrodynamic focusing	*	*	*			*			
Hemoglobin	Whole blood (EDTA), CSF, body fluid	SLS hemoglobin methode	*	*	*			*			
Hematocrit	Whole blood (EDTA), CSF, body fluid	RBC cumulative pulse detection	*	*	*			*			
Mean Corpuscular Volume	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*			*			
Mean Corpuscular Hemoglobin	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*			*			
Mean Corpuscular Hemoglobin Concentration	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*			*			

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
RBC Distribution Width-CV	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*			*			
RBC Distribution Width-SD	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*			*			
Platelet Count	Whole blood (EDTA), CSF, body fluid	Hydrodynamic focusing	*	*	*			*			
Mean Platelet Volume	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*			*			
Platelet Distribution Width	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*			*			
Platelet Large Cell Ratio	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*			*			
Plateletcrit	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*			*			

### Individual test methods of: Sedimentation tests

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Sedimentation rate, erythrocyte, (ESR)	Whole blood (Citrate)	Westergreen Method	*	*		*					
Sedimentation rate, erythrocyte, (ESR)	Whole blood (Citrate)	Westergreen Method			*		*	*		*	*

### Individual test methods of: Functional examination of patients

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Bleeding time	Capillary blood	Ivy Method	*	*	*	*	*		*	*	*

### Individual test methods of: Lee and White Method

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Coagulation time; Lee and White	Capillary blood/venous	Lee White Method	*	*	*	*	*			*	*

### Type of test: Coagulometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
aPTT	Plasma (Citrate)	Coagulometry							*		
aPTT	Plasma (Citrate)	Coagulometry	*	*	*		*	*	*		
aPTT	Plasma (Citrate)	Coagulometry				*					
aPTT	Plasma (Citrate)	Coagulometry			*						
Fibrinogen	Plasma (Citrate)	Coagulometry						*			
Fibrinogen	Plasma (Citrate)	Coagulometry				*					
Prothrombin time;	Plasma (Citrate)	Coagulometry							*		
Prothrombin time;	Plasma (Citrate)	Coagulometry	*	*	*		*	*	*		
Prothrombin time;	Plasma (Citrate)	Coagulometry				*					
Prothrombin time;	Plasma (Citrate)	Coagulometry			*						

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Fibrin(ogen) degradation (split) products (FDP)	Plasma (Citrate)	Latex Agglutination	*				*				
Fxa Activity	Plasma (Citrate)	Coagulometry			*						

### Individual test methods of: Dual monoclonal antibody sandwich

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Troponin T (TnT)	Whole Blood (Heparin)	Dual monoclonal antibody sandwich	*	*	*		*		*		
D-Dimer	Whole Blood (Heparin)	Dual monoclonal antibody sandwich	*	*	*	*	*		*	*	*
Pro-BNP	Whole Blood (Heparin)	Dual monoclonal antibody sandwich	*			*	*		*	*	*

### Individual test methods of: Reflection photometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Urine analysis, All	Urine	Reflection photometry			*		*	*	*	*	*
Urine analysis, All	Urine	Reflection photometry	*	*		*					

### Type of test: Flow Cytometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Urine analysis, All	Urine	Flow cytometry	*	*		*					

### Individual test methods of: Rapid chromatographic immunoassay

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Urine pregnancy test	Urine	Rapid chromatographic immunoassay	*	*	*	*	*	*	*	*	*

### Type of test: Ligand assays

#### ECLIA

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Thyroid stimulating hormone (TSH)	Serum	ECLIA				*		*		*	*
Triiodothyronine, free (FT3)	Serum	ECLIA				*		*		*	*
Thyroxine (T4), free	Serum	ECLIA				*		*		*	*
Follicle stimulating hormone (FSH)	Serum	ECLIA				*		*		*	*
Luteinizing hormone (LH)	Serum	ECLIA				*		*		*	*
Progesterone	Serum	ECLIA				*		*			
Prolactin (PRL)	Serum	ECLIA				*		*		*	*
Testosterone, total	Serum	ECLIA						*			

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Gonadotropin, chorionic (hCG), quantitative	Serum	ECLIA			*	*		*	*	*	*
Ferritin	Serum	ECLIA				*				*	*
Estradiol (E2)	Serum	ECLIA				*		*	*	*	*
Cancer antigen CA 15-3	Serum	ECLIA						*			
Cancer antigen CA 19-9	Serum	ECLIA						*			
Cancer antigen CA 125	Serum	ECLIA						*			
CEA (Carcinoembryonic antigen)	Serum	ECLIA						*			
Alpha-fetoprotein; serum	Serum	ECLIA						*			
Prostate specific antigen (PSA), total	Serum	ECLIA				*		*		*	*
Prostate specific antigen (PSA), free	Serum	ECLIA				*		*		*	*
Cortisol; total	Serum	ECLIA				*					
C-Peptide	Serum	ECLIA						*			
Dehydroepiandrosterone-sulfate (DHEA-S)	Serum	ECLIA						*			
Insulin	Serum	ECLIA						*			
Insulin	Serum	ECLIA				*					
Vitamin B12	Serum	ECLIA				*				*	*
Folic Acid (folate)	Serum	ECLIA				*				*	*
Troponin T	Serum	ECLIA			*	*		*	*	*	*
Hepatitis C antibody (anti-HCV)	Serum	ECLIA			*	*		*	*	*	*
Hepatitis A antibody (anti-HAV), total	Serum	ECLIA						*			
Hepatitis A antibody, IgM (anti-HAV IgM)	Serum	ECLIA						*			
Hepatitis Bs antigen (HBsAg)	Serum	ECLIA			*	*		*	*	*	*
Hepatitis Bs antibody (anti-HBs)	Serum	ECLIA				*		*		*	*
HIV antibody (1&2) + p24 antigen	Serum	ECLIA			*	*		*	*	*	*

### Type of test: Gel centrifugation

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Coombstest, direct	Whole blood (EDTA)	Gel centrifugation	*	*	*	*	*	*	*	*	*
Coombstest, indirect	Whole blood (EDTA)	Gel centrifugation			*	*			*		
Coombstest, direct (monospesific)	Whole blood (EDTA)	Gel centrifugation	*	*	*	*	*	*	*	*	*
Crossmatch	Whole blood (EDTA)	Gel centrifugation	*	*	*	*	*	*	*	*	*
Blood grouping (ABO-Rh type)	Whole blood (EDTA)	Gel centrifugation	*	*	*	*	*	*	*	*	*
Reverse grouping	Whole blood (EDTA)	Gel centrifugation	*	*	*	*	*	*	*	*	*
Isohemagglutinin	Whole blood (EDTA)	Gel centrifugation			*						
Rh subgroup + Kell	Whole blood (EDTA)	Gel centrifugation	*	*	*	*	*	*	*	*	*
Antibody screening ( ind. antiglobulintest)	Whole blood (EDTA)	Gel centrifugation	*	*	*	*	*	*	*	*	*
Antibody identification	Whole blood (EDTA)	Gel centrifugation			*						

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
anti-D titration	Whole blood (EDTA)	Gel centrifugation			*						
Cold agglutinins	Whole blood (EDTA)	Gel centrifugation			*				*		
Syphilis antibody test	Serum or plasma	Gel centrifugation	*	*	*	*	*	*	*	*	*

### Type of test: Agglutination

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Salmonella agglutination	Serum	Agglutination			*		*	*	*	*	*
Brucella agglutination	Serum	Agglutination			*		*	*	*	*	*
Blood grouping (tube)	Whole blood (EDTA)	Agglutination					*				
Anti A1 Lectin	Whole blood (EDTA)	Agglutination			*						
Anti H	Whole blood (EDTA)	Agglutination			*						

### Analytical field: Virology

#### Type of test: Ligand assays

#### EIA

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Hepatitis Bs antigen (HBsAg)	Serum	ELFA					*				
Hepatitis C antibody (anti-HCV)	Serum	ELFA					*				
HIV antibody (1&2)	Serum	ELFA					*				
Beta-HCG	Serum	ELFA					*				

### Type of test: Agglutination (Rapid hemagglutination slide test)

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Heterophil antibody (Mononucleosis-EBV)	Serum	Rapid hemagglutination slide test	*	*	*	*		*	*	*	*

### Individual test methods of: Immunochromatography

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Adenovirus antigen	Stool	Immunochromatography	*	*	*	*	*	*	*	*	*
Rotavirus antigen	Stool	Immunochromatography	*	*	*	*	*	*	*	*	*
Influenza A+B	Nasopharyngeal swab/ Throat and Nasal swab/discharge	Immunochromatography	*	*	*	*	*		*	*	*
Helicobacter pylori antigen (HpSA)	Stool	Immunochromatography	*	*	*	*	*	*	*	*	*
Blood occult, fecal	stool	Immunochromatography	*	*	*	*	*	*	*	*	*

**Analytical field: Microbiology****Type of test: Cultural examinations**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Aerob culture	Ocular, auricular, nasal secretion, body fluid	Culture				*	*	*	*	*	*
Blood culture	Blood	Culture				*		*	*	*	*
Sputum culture	Sputum	Culture				*	*	*	*	*	*
Throat culture	Throat	Culture				*	*	*	*	*	*
CSF culture	CSF	Culture				*	*	*	*	*	*
Stool culture	Stool	Culture				*	*	*	*	*	*
Urine culture	Urine	Culture				*	*	*	*	*	*
Fungal culture	All sample types	Culture				*			*	*	*
Urethral culture	Urethral secretion	Culture				*	*	*	*	*	*
Gonococ culture	Urethral, cervical secretion	Culture				*	*	*	*	*	*
Anaerob culture	Pus, aspirate	Culture				*		*	*		
Urogenital Ureaplasma/Mycoplasma culture	Urethral, cervical secretion, urine, semen	Culture				*	*	*	*	*	*
Vaginal culture	Vaginal, cervical secretion	Culture				*	*	*	*	*	*
Pus culture	Pus	Culture				*	*	*	*	*	*
Semen culture	semen	Culture				*	*	*	*	*	*
Endotracheal aspirate culture	Endotracheal aspirate, bronchial alveolar lavage (BAL)	Culture				*		*	*	*	*

**Individual test methods of: Lateral flow immunoassay**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Streptococcus (group A) rapid test	Throat swab	Lateral flow immunoassay	*	*	*	*	*	*	*	*	*

**Type of test: Microscopy**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Stool examination for ova and parasites	Stool	Microscopy	*	*	*	*	*	*	*	*	*
Microscopic examination, stool	Stool	Microscopy	*	*	*	*	*	*	*	*	*
Stool parasites (screening)	Perianal material	Microscopy	*	*	*	*	*	*	*	*	*
Microscopic examination for fungi	All sample types	Microscopy	*	*	*	*	*	*	*	*	*
AFB stain	Sputum, CSF, gastric aspirate, urine, body fluid, tissue	Microscopy						*		*	
Microscopic examination, Gram stain	Gram stained slide	Microscopy			*	*	*	*	*	*	*
Blood smear for malaria	Slide/whole blood (EDTA)	Microscopy			*	*		*	*	*	

**Type of test: Ligand assays****Immunoassay**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A	B	K	B	K	A	I	K	M
			C	A	O	U	O	D	N	A	A
			B	K	Z	R	C	A	T	Y	S
Clostridium difficile toxin A+B	Stool	Immunoassay	*	*	*	*	*	*	*	*	*

**Outpatient Laboratories****Analytical field: Clinical Chemistry (incl. hematology and hemostaseology)****Type of test: Photometry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Transferase; alanine amino (ALT) (SGPT)	Serum	Photometry		*	*	
Transferase; alanine amino (ALT) (SGPT)	Serum	Photometry	*			
Transferase; aspartate amino (AST) (SGOT)	Serum	Photometry		*	*	
Transferase; aspartate amino (AST) (SGOT)	Serum	Photometry	*			
Bilirubin, direct	Serum	Photometry	*			
Bilirubin, direct	Serum	Photometry		*	*	*
Bilirubin, total	Serum	Photometri	*			
Bilirubin, total	Serum	Photometry		*	*	*
Urea nitrogen (BUN)	Serum	Photometry	*			
Urea nitrogen (BUN)	Serum, urine	Photometry		*	*	*
Glutamyltransferase, gamma (GGT)	Serum	Photometry		*		
Glucose	Serum, urine, CSF, body fluid	Photometry		*	*	*
Glucose	Serum	Photometry	*			
Calcium	Serum, urine	Photometry		*		*
Calcium / creatinine, urine	Urine	Photometry		*		*
Creatine kinase-MB (CK-MB)	Serum	Photometry				*
Creatinine	Serum, urine	Photometry		*	*	*
Creatinine	Serum, urine	Photometry	*			
Creatinine, clearance	Serum+Urine, 24 h	Photometry			*	*

**Type of test: Electrochemical tests**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Chloride	Serum, urine, CSF, body fluid	Ion selective module		*	*	*
Chloride	Serum	Ion selective module	*			
Potassium	Serum, urine, CSF, body fluid	Ion selective module		*	*	*
Potassium	Serum	Ion selective module	*			

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B A G	E T I	B E Y	A T A
Sodium (Na)	Serum, urine, CSF, body fluid	Ion selective module	*	*	*	*
Sodium (Na)	Serum	Ion selective module	*			

**Individual test methods of: Turbidimetry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B A G	E T I	B E Y	A T A
C-reactive protein (CRP), quantitative	Serum	Turbidimetry		*	*	*
C-reactive protein (CRP), quantitative	Serum	Turbidimetry	*			

**Type of test: Particle property determinations with automated procedures**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B A G	E T I	B E Y	A T A
White blood cell count	Whole blood (EDTA), CSF, body fluid	DC detection	*	*	*	
WBC small cell ratio	Whole blood (EDTA), CSF, body fluid	DC detection	*	*	*	
WBC middle cell ratio	Whole blood (EDTA), CSF, body fluid	DC detection	*	*	*	
WBC large cell ratio	Whole blood (EDTA), CSF, body fluid	DC detection	*	*	*	
WBC small cell count	Whole blood (EDTA), CSF, body fluid	DC detection	*	*	*	
WBC middle cell count	Whole blood (EDTA), CSF, body fluid	DC detection	*	*	*	
WBC large cell count	Whole blood (EDTA), CSF, body fluid	DC detection	*	*	*	
Red Blood Cell Count	Whole blood (EDTA), CSF, body fluid	DC detection	*	*	*	
Hemoglobin	Whole blood (EDTA), CSF, body fluid	SLS hemoglobin methode	*	*	*	
Hematocrit	Whole blood (EDTA), CSF, body fluid	RBC cumulative pulse detection	*	*	*	
Mean Corpuscular Volume	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*	
Mean Corpuscular Hemoglobin	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*	
Mean Corpuscular Hemoglobin Concentration	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*	
RBC Distribution Width-CV	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*	
RBC Distribution Width-SD	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*	

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B A G	E I	B Y	A T A
Platelet Count	Whole blood (EDTA), CSF, body fluid	DC detection	*	*	*	
Mean Platelet Volume	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*	
Platelet Large Cell Ratio	Whole blood (EDTA), CSF, body fluid	calculated	*	*	*	

### Type of test: Particle property determinations with automated procedures

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B A G	E I	B Y	A T A
White blood cell count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Neutrophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Lymphocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Monocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Eosinophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Basophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Immature Granulocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Neutrophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Lymphocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Monocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Eosinophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Basophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry				*
Red Blood Cell Count	Whole blood (EDTA), CSF, body fluid	Hydrodynamic focusing				*
Hemoglobin	Whole blood (EDTA), CSF, body fluid	SLS hemoglobin methode				*
Hematocrit	Whole blood (EDTA), CSF, body fluid	RBC cumulative pulse detection				*
Mean Corpuscular Volume	Whole blood (EDTA), CSF, body fluid	calculated				*
Mean Corpuscular Hemoglobin	Whole blood (EDTA), CSF, body fluid	calculated				*
Mean Corpuscular Hemoglobin Concentration	Whole blood (EDTA), CSF, body fluid	calculated				*
RBC Distribution Width-CV	Whole blood (EDTA), CSF, body fluid	calculated				*
RBC Distribution Width-SD	Whole blood (EDTA), CSF, body fluid	calculated				*

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Platelet Count	Whole blood (EDTA), CSF, body fluid	Hydrodynamic focusing				*
Mean Platelet Volume	Whole blood (EDTA), CSF, body fluid	calculated				*
Platelet Distribution Width	Whole blood (EDTA), CSF, body fluid	calculated				*
Platelet Large Cell Ratio	Whole blood (EDTA), CSF, body fluid	calculated				*
Plateletcrit	Whole blood (EDTA), CSF, body fluid	calculated				*

#### Individual test methods of: Sedimentation tests

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Sedimentation rate, erythrocyte, (ESR)	Whole blood (Citrate)	Westergreen Method	*	*	*	*

#### Individual test methods of: Functional examination of patients

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Bleeding time	Capillary blood	Ivy Method	*	*	*	*

#### Individual test methods of: Lee and White Method

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Coagulation time; Lee and White	Capillary blood/venous	Lee White Method	*	*	*	

#### Type of test: Coagulometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Prothrombin time;	Plasma (Citrate)	Coagulometry		*		

#### Individual test methods of: Dual monoclonal antibody sandwich

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Troponin T (TnT)	Whole Blood (Heparin)	Dual monoclonal antibody sandwich	*		*	
Troponin T (TnT)	Whole Blood (Heparin)	Dual monoclonal antibody sandwich		*		

**Individual test methods of: Reflection photometry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Urine analysis, All	Urine	Reflection photometry	*	*	*	*

**Individual test methods of: Rapid chromatographic immunoassay**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Urine pregnancy test	Urine	Rapid chromatographic immunoassay	*	*	*	*

**Individual test methods of: Gel centrifugation**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Blood grouping (ABO-Rh type)	Whole blood (EDTA)	Gel centrifugation			*	
Reverse grouping	Whole blood (EDTA)	Gel centrifugation			*	

**Analytical field: Virology****Individual test methods of: Agglutination (Rapid hemagglutination slide test)**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Heterophil antibody (Mononucleosis-EBV)	Serum	Rapid hemagglutination slide test	*			

**Individual test methods of: Immunochromatography**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Adenovirus antigen	Stool	Immunochromatography	*	*	*	*
Rotavirus antigen	Stool	Immunochromatography	*	*	*	*
Helicobacter pylori antigen (HpSA)	Stool	Immunochromatography			*	
Blood occult, fecal	stool	Immunochromatography	*	*	*	*

**Analytical field: Microbiology****Individual test methods of: Lateral flow immunoassay**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B	E	B	A
			A	T	E	T
			G	I	Y	A
Streptococcus (group A) rapid test	Throat swab	Lateral flow immunoassay	*	*	*	*

**Individual test methods of: Microscopy**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	B A G	E T I	B E Y	A T A
Stool examination for ova and parasites	Stool	Microscopy	*	*	*	*
Microscopic examination, stool	Stool	Microscopy	*	*	*	*
Stool parasites (screening)	Perianal material	Microscopy	*	*	*	
Microscopic examination for fungi	All sample types	Microscopy	*	*	*	

**Regional Laboratories****Analytical field: Clinical Chemistry (incl. hematology and hemostaseology)****Type of test: Photometry**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Transferase; alanine amino (ALT) (SGPT)	Serum	Photometry	*
Albumin	Serum, body fluid	Photometry	*
Phosphatase, alkaline (ALP)	Serum	Photometry	*
Amylase	Serum, body fluid, urine	Photometry	*
Transferase; aspartate amino (AST) (SGOT)	Serum	Photometry	*
Bilirubin, direct	Serum	Photometry	*
Bilirubin, total	Serum	Photometry	*
Urea nitrogen (BUN)	Serum, urine	Photometry	*
Iron	Serum	Photometry	*
Iron binding capacity	Serum	Photometry	*
Phosphorus inorganic	Serum, urine	Photometry	*
Glutamyltransferase, gamma (GGT)	Serum	Photometry	*
Glucose	Serum, urine, CSF, body fluid	Photometry	*
Hemoglobin A1c (HbA1c)	Whole blood (EDTA)	Photometry	*
Calcium	Serum, urine	Photometry	*
Calcium / creatinine, urine	Urine	Photometry	*
Cholesterol, HDL	Serum	Photometry	*
Cholesterol, LDL	Serum	Photometry	*
Cholesterol, total	Serum	Photometry	*
Creatine kinase (CK), (CPK); total	Serum	Photometry	*
Creatine kinase-MB (CK-MB)	Serum	Photometry	*
Creatinine	Serum, urine	Photometry	*
Creatinine, clearance	Serum+Urine, 24 h	Photometry	*
Lactate dehydrogenase (LD), (LDH);	Serum, CSF, body fluid	Photometry	*
Lipase	Serum	Photometry	*

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Magnesium (Mg)	Serum, urine	Photometry	*
Protein, total	Serum, body fluid	Photometry	*
Triglycerides	Serum	Photometry	*
Uric acid	Serum, urine, body fluid	Photometry	*

#### Individual test methods of: Electrochemical tests

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Chloride	Serum, urine, CSF, body fluid	Ion selective module	*
Potassium	Serum, urine, CSF, body fluid	Ion selective module	*
Sodium (Na)	Serum, urine, CSF, body fluid	Ion selective module	*

#### Individual test methods of: Turbidimetry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
C-reactive protein (CRP), quantitative	Serum	Turbidimetry	*
Antistreptolysin O, (ASO), quantitative	Serum	Turbidimetry	*
Rheumatoid Factor	Serum	Turbidimetry	*

#### Type of test: Particle property determinations with automated procedures

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
White blood cell count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Neutrophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Lymphocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Monocyte Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Eosinophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Basophil Percent	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Immature Granulocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Neutrophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Lymphocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Monocyte count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Eosinophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Basophil count	Whole blood (EDTA), CSF, body fluid	Flow cytometry	*
Red Blood Cell Count	Whole blood (EDTA), CSF, body fluid	Hydrodynamic focusing	*
Hemoglobin	Whole blood (EDTA), CSF, body fluid	SLS hemoglobin methode	*
Hematocrit	Whole blood (EDTA), CSF, body fluid	RBC cumulative pulse detection	*
Mean Corpuscular Volume	Whole blood (EDTA), CSF, body fluid	calculated	*
Mean Corpuscular Hemoglobin	Whole blood (EDTA), CSF, body fluid	calculated	*
Mean Corpuscular Hemoglobin Concentration	Whole blood (EDTA), CSF, body fluid	calculated	*
RBC Distribution Width-CV	Whole blood (EDTA), CSF, body fluid	calculated	*
RBC Distribution Width-SD	Whole blood (EDTA), CSF, body fluid	calculated	*
Platelet Count	Whole blood (EDTA), CSF, body fluid	Hydrodynamic focusing	*
Mean Platelet Volume	Whole blood (EDTA), CSF, body fluid	calculated	*
Platelet Distribution Width	Whole blood (EDTA), CSF, body fluid	calculated	*
Platelet Large Cell Ratio	Whole blood (EDTA), CSF, body fluid	calculated	*
Plateletcrit	Whole blood (EDTA), CSF, body fluid	calculated	*

#### Individual test methods of: Coagulometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
aPTT	Plasma (Citrate)	Coagulometry	*
Fibrinogen	Plasma (Citrate)	Coagulometry	*
Prothrombin time;	Plasma (Citrate)	Coagulometry	*

#### Individual test methods of: Reflection photometry

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Urine analysis, All	Urine	Reflection photometry	*

**Analytical field: Immunology****Individual test methods of: Rapid chromatographic immunoassay**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Urine pregnancy test	Urine	Rapid chromatographic immunoassay	*

**Type of test: Ligand assays****ECLIA**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Triiodothyronine (T3), total	Serum	ECLIA	*
Thyroxine (T4), total	Serum	ECLIA	*
Thyroid stimulating hormone (TSH)	Serum	ECLIA	*
Triiodothyronine, free (FT3)	Serum	ECLIA	*
Thyroxine (T4), free	Serum	ECLIA	*
Follicle stimulating hormone (FSH)	Serum	ECLIA	*
Luteinizing hormone (LH)	Serum	ECLIA	*
Progesterone	Serum	ECLIA	*
Prolactin (PRL)	Serum	ECLIA	*
Gonadotropin, chorionic (hCG), quantitative	Serum	ECLIA	*
Ferritin	Serum	ECLIA	*
Estradiol (E2)	Serum	ECLIA	*
Prostate specific antigen (PSA), total	Serum	ECLIA	*
Prostate specific antigen (PSA), free	Serum	ECLIA	*
Parathyroid hormone (PTH), intact	Serum	ECLIA	*
Vitamin B12	Serum	ECLIA	*
Hepatitis C antibody (anti-HCV)	Serum	ECLIA	*
Hepatitis Bs antigen (HBsAg)	Serum	ECLIA	*
Hepatitis Bs antibody (anti-HBs)	Serum	ECLIA	*
HIV antibody (1&2) + p24 antigen	Serum	ECLIA	*

**Individual test methods of: Agglutination**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Blood grouping (tube)	Whole blood (EDTA)	Agglutination	*

**Analytical field: Virology****Individual test methods of: Immunochromatography**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Adenovirus antigen	Stool	Immunochromatography	*
Rotavirus antigen	Stool	Immunochromatography	*
Blood occult, fecal	stool	Immunochromatography	*

**Analytical field: Microbiology****Type of test: Cultural examinations**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Aerob culture	Ocular, auricular, nasal secretion, body fluid	Culture	*
Sputum culture	Sputum	Culture	*
Throat culture	Throat	Culture	*
CSF culture	CSF	Culture	*
Stool culture	Stool	Culture	*
Urine culture	Urine	Culture	*
Urethral culture	Urethral secretion	Culture	*
Anaerob culture	Pus, aspirate	Culture	*
Vaginal culture	Vaginal, cervical secretion	Culture	*
Pus culture	Pus	Culture	*
Semen culture	semen	Culture	*

**Individual test methods of: Lateral flow immunoassay**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Streptococcus (group A) rapid test	Throat swab	Lateral flow immunoassay	*

**Type of test: Microscopy**

Analyt (measured variable)	Investigation material (matrix)	Investigation technics	A N T
Stool examination for ova and parasites	Stool	Microscopy	*
Microscopic examination, stool	Stool	Microscopy	*
Stool parasites (screening)	Perianal material	Microscopy	*
Microscopic examination for fungi	All sample types	Microscopy	*
Microscopic examination, Gram stain	Gram stained slide	Microscopy	*
Blood smear for malaria	Slide/whole blood (EDTA)	Microscopy	*

**Individual test methods of: Sedimentationstests**

<b>Analyt (measured variable)</b>	<b>Investigation material (matrix)</b>	<b>Investigation technics</b>	<b>A N T</b>
Sedimentation rate, erythrocyte, (ESR)	Whole blood (Citrate)	Westergreen Method	*