

Laboratory parameters - Medizin Center Bonn

Highly equipped with mass spectrometers of the new Cobas® Pro laboratory line from Roche, our laboratory is an integral part of diagnostic capabilities at Medizin Center Bonn. Among others, we can examine the following laboratory parameters:

Thyroid parameters

- FT4 (Free Tetraiodothyronine)
- FT3 (Free Triiodothyronine)
- TSH (thyroid-stimulating hormone)
- A-TPO (thyroperoxidase antibody)
- A-TG (thyroglobulin antibody)
- TG/ TG WF (Thyroglobulin)
- Iodine in urine (determination of in urine)
- Iodine in urine / creatinine quotient
- TRAK (TSH receptor autoantibodies)

Tumor marker

- CEA (Carcinoembryonic antigen)
- CA 19-9 (Carbohydrate antigen 19-9)
- Ca125 (Carbohydrate Antigen 125)
- CA 15-3 (Carbohydrate Antigen 15-3)
- TPA (Tissue polypeptide antigen)
- PSA (Prostate Specific Antigen)
- Free PSA

Inflammation parameters

- CRP (C-reactive protein)
- ESR (blood cell sedimentation rate)

Vitamins

- Vit. B12 (Vitamin B12)
- Holo TC (Active B12)
- 25-OH Vit. D (Vitamin D)
- Folic acid
- Calcitriol

Trace elements

- Selenium/ selenium intra

- Zinc/ zinc intra

Fertility hormones

- DHEAS (dehydroepiandrosterone)
- LH (Luteinizing Hormone)
- FSH (follicle stimulating hormone)
- E2 (Oestradiol)
- Prol (prolactin)
- Prog (progesterone)
- Corti (cortisol)
- SHBG (sex hormone binding globulin)
- TEST (Testosterone)
- IgF1 (Insulin-like growth factor 1)
- Free testosterone
- DHT (dihydrotestosterone)
- Androstenedione
- b-HCG

Bone metabolism

- Osteocalcin (Osteocalcin)
- b-CTx (b-Crosslaps)

Lyme disease diagnostics

- IgM Borrelia (Immunoglobulin M Borrelia)
- IgG Borrelia (Immunoglobulin G Borrelia)
- CD57 (Cluster of differentiation)
- IgG/IgM Borrelia immunoarray (Serological confirmation test)
- Elispot (Enzyme linked immuno spot assay)

Kidney parameters

- Creatinine
- GFR/MDRD (glomerular filtration rate)

Electrolytes

- Sodium (external)
- Potassium (external)
- Calcium
- Phosphate

Urine status

- Test strips
- Sediment
- Creatinine in urine
- Creatinine in 24h collected urine
- GFR/MDRD (Glomerular Filtration Rate)
- Immune status
- Homocysteine
- Leptin
- IGE (Immunoglobulin E)
- Ferritin
- Nitrotyrosine
- NT-proBNP (N-terminales pro brain natriuretic peptide)
- Neopterin
- Lpa (Lipoprotein (a))

Liver parameters (external)

- Alkaline phosphatase
- Bilirubin
- γ -GT (gamma-glutamyl transferase)
- GPT (glutamate pyruvate transaminase)
- GOT (glutamate oxaloacetate transaminase)

Blood lipid parameters (external)

- Cholesterol
- Triglyceride
- HDL cholesterol (high-density lipoprotein)
- LDL cholesterol (low density lipoprotein)

CBC (external)

- Leukocytes
- Erythrocytes
- Haemoglobin
- Haematocrit
- MCV (Mean Erythrocyte Volume)
- MCH (Mean Corpuscular Hemoglobin)
- MCHC (Mean Corpuscular Hemoglobin Concentration)
- Ery manifold width
- Platelets

Differential blood count (external)

- Neutrophils
- Lymphocytes
- Monocytes
- Eosinophils
- Basophil

Other parameters

- Chlamydia serology (Chlamydia pneumoniae/trachomatis antibodies) (external)
- Fatty acids (arachidonic acid and eicosapentaenoic acid) (external)
- Iron (external)
- Total protein (external)
- Lactate
- Insulin
- Glucose
- HOMA Index
- HbA1c
- IGE
- PTH (parathyroid hormone)
- Lipoprotein a
- Rheumatism factor
- Helicobacter serology
- Creatinine
- Calcitonin