

Krankenkasse bzw. Kostenträger

Name, Vorname des Versicherten geb. am

Kostenträgerkennung Versicherten-Nr. Status

Betriebsstätten-Nr. Arzt-Nr. Datum

biovis'

DIAGNOSTIK

Biovius Diagnostik MVZ GmbH

Dr. med. Burkhard Schütz
Scientific Management
Thomas Gugere!
Medical Management
Dr. med. Herbert Schmidt
Dr. med. Klaus G. Wenzel

Justus-Staudt-Straße 2
65555 Limburg Offheim

Tel.: +49 64 31 / 21 248 - 0
Fax: +49 64 31 / 21 248 - 66
E-mail: info@biovis.de
Web: www.biovis.de

Postal Address:
Postfach 14 01 19
65208 Wiesbaden

Barcode

Please print or use address label!
DO NOT USE ANY PAPER CLIPS, STAPLES OR STICKERS!

Private Patient male am
 Self-pay Patient female pm

Test Report in Duplicate Time of Sampling

Frozen material to follow Date of Sampling

Stool to follow (max. 5 working days)

¹Specialist in Laboratory Medicine
²Specialist in Neurology

TABLE OF CONTENTS

- A Stool Diagnostics**
- B Gastroenterology Diagnostics**
- C Allergies and Intolerances**
- D Immunology and Haematology**
- E Orthomolecular and Mitochondrial Medicine**
- F Endocrinology, Neurological Stress**
- G Clinical Chemistry**
- H Genetics**
- I Detoxification / Toxicology**
- K Infection Diagnostics**
- L Special Analytics**
- N Blood Spot / Capillary Blood Tests**
- O Saliva Tests**

Room for Individual Requests:

A Molecular-Genetic Stool Analyses

Type of Diagnostics: comprehensive short

Compact, Practice-Oriented Microbiome Analyses

- A712A Microbiome Mini NEW** Fe
Diversity, enterotype, relevant bacteria species, F.prausnitzii, A. muciniphila, functional groups (equal, butyrate, histamine, H2S development) + yeasts including evaluation and therapy recommendations
- A712B Microbiome MIDI NEW** Fe
Microbiome Mini + yeasts + frequent parasites including evaluation and therapy recommendations

Large Microbiome Analyses

- A712C Microbiome Maxi NEW** Fe
Microbiome Mini with additional consideration of further phyla, methane bacteria, many additional bacteria genus and species. Includes yeasts and parasites. including evaluation and therapy recommendations

PLUS - Complementary Parameters

- A750 Maldigestion, Malabsorption, MIS NEW** Fe
Digestive residues, pancreas elastase, bile acid, alpha-1 antitrypsin, calprotectin, slgA
- A501 Leaky Gut NEW** Fe, Test Set 909
Zonulin, Histamine

Metabolome Analyses

- A650 Short Chain Fatty Acids NEW** Fe
2-Me-butyrate, butyrate, acetate, propionate, isobutyrate, isovalerianate, isocaproate
- A651 Tryptophan NEW** Test Set 909
- A670 Tryptophan, Histamine NEW** Test Set 909
- A680 IDO Activity NEW** S
Tryptophan, kynurenine, IDO activity
- A690 KMO Activity NEW** Test Set 928
Quinolinic acid, kynurenic acid, KMO activity
Vaginal Microbiome see page 2

B Gastroenterology Diagnostics

- B110 Lactose Breath Gas Test** Test Set 901
- B120 Fructose Breath Gas Test** Test Set 900

C Allergies and Intolerances

- C043 Pre-screen A (Contents see page 2)** S
- C044 Pre-screen B (Contents see page 2)** S
- C045 IgE Food Screening (Contents see page 2)** S
- C046 IgG4 + Food Screening (Contents see page 2)** S
- C242 IgG4 + Compact Screen (Contents see page 2)** S
- C390 Diamine-oxidase (DAO)** S

Differentiation IgG 1-3/IgG4 Intolerances

see page 2

D Immunology and Haematology

- D180 Cellular Immune Status** EXP 2EDTA
(Lymphocyte Differentiation)
- D240 Profile Humoral Immune Activity** SZ, SZ frozen
CRP, sIL2R, Neopterin
- D890 Elispot Virus Pool** EXP 3CPDA/ACDB

E Orthomolecular and Mitochondrial Medicine

- E101 Whole Blood Mineral Analysis Maxi NEW** page 3 EDTA, Hep
- E105 Whole Blood Mineral Analysis extended NEW** page 3 EDTA, Hep
- E110 Whole Blood Mineral Analysis** EDTA, Hep
(No determination possible without erythrogram)
- E115 Intra Cellular Minerals - see page 3 NEW** Hep
- E230 Profile Glutathione Metabolism** EXP CPDA/ACDB
(GSH and GSSG)
- E240 Lipid Peroxidation** S
- E250 Anti-Oxidative Capacity** S
- E330 Mitochondrial Activity NEW** EXP CPDA/ACDB
- E340 Nitrotyrosine** EXP EDTA
- E380 LDH and LDH-Isoenzymes** S
- E420 Vitamin Profile** 2S, 2 EDTA
Vitamins B6, B12, 25-OH-D3, Folic Acid, Co-enzyme Q10
- E500 Vitamin B12** S
- E530 Vitamin C** Hep
- E540 25-OH-Vitamin D3** S
- E550 1,25-(OH)-Vitamin D3** SZ
- E580 Co-enzyme Q10** S
- E590 Co-enzyme Q10 lipid corrected** S
- E610 Amino Acid Status** EXP EDTA-PI
- E640 Fatty Acid Status in Whole Blood** EDTA
- E644 Fatty Acid Status of Erythrocytes Membranes NEW** EDTA
- E650 Fatty Acid Status in Serum** S

F Endocrinology

- F200 Basic Profile Thyroid Gland** TSH, FT3, FT4 S

G Clinical Chemistry

- G110 Small Basic Profile** S, EDTA, NaF
Small blood count, usCRP, blood sugar, Crea, yGT, GPT, Amylase, Chol., HDL, LDL Trigl. HSR
- G450 Ultra-sensitive CRP** S
- G460 Homocysteine** HCY
- G515 Lipoprint (LDL-Sub-categories)** S

I Detoxification/Toxicology

- I115 Heavy Metals in Urine** page 5 2x 2.MU
- I451 GST Overall Activity** EXP EDTA

K Infection Diagnostics

- K111 Borrelia Antibodies IgM and IgG (qualitative) NEW** S
page 5
- K131 Borrelia Immunoblots NEW** page 5 S
- K120 Borrelia-Elispot** EXP 3CPDA/ACDB
- K260 EBV-Elispot** EXP 3CPDA/ACDB

L Special Analytics

- L110 Sander-Test** Test Set 904
- L120 Kryptopyrrol** Test Set 903

O Saliva Tests

- O200 Cortisol Diurnal Profile in Saliva** Test Set Bio1
Cortisol 8 a.m. / 12 noon / 8 p.m.
- O360 Melatonin (night saliva)** Test Set 923
- O934 Hormone Profile Male (Saliva)** Test Set 905
Cortisol, DHEA, Progesterone, Testosterone, Estradiol
- O935 Hormone Profile Female (Saliva)** Test Set 905
Cortisol, DHEA, Progesterone, Testosterone, Estradiol

Aromatograms, Blood Spot- and capillary tests - see page 5

1st MU = First Morning Urine, 2nd MU = Second Morning Urine, Citrat = Citrate Blood 1:10, CPDA/ACDB = Citrate Transport Med., CP = Citrate Plasma, CpG = Frozen Citrate Plasma, EDTA = EDTA-Whole-Blood, EDTA-PI = EDTA-Plasma, EXP = Sample Pick-up or Express Shipment required, Fe = Stool, HCY = Special Viral Homocysteine, Hep = Heparin Whole-Blood, Light-Protected, NaF = Sodium Fluoride Whole-Blood, ObjT = Object Slide, S = Serum, SZ = Serum - must be centrifuged (also in case of short shipping time), SpezR = Special Vial, U24 = Urine collected over a period of 24 hours, U24HCl = 24 + Hydrochloric Acid acidified, U24Ac = U24 + Acetic Acid acidified, U# = Urine, in case of professional exposure after end of shift



... keeping the individual in mind

A Stool Diagnostics

A100 Profiles

- A110 **Microbiological Flora Status** Fe
- A111 **Flora Status Plus NEW** Fe
Flora Status + F. Prausnitzii, Akkermansia muciniphila
- A120 **Mycological Flora Status** Fe
**if Yeast are found, a biochem. Diff. will be made. In case of negative stool results see Candida Elispot K620*
- A125 **D-Arabinitol in Urine** Test Set 908
- A130 **Basic Profile Intestinal Tract** 2Fe
Quantitative bacteriological and mycological stool test, digestion residues, pElastase, bile acids, α-1-antitrypsin, calprotectin, slgA
- A131 **Basic Profile Intestinal Tract Plus NEW** 2Fe
Basic Profile Intestines + F. Prausnitzii, Akkermansia muciniphila
- A140 **Bacterial Enteritis Pathogens** Fe
Salmonella, shigella, campylobacter, yersinia, Cl.difficile GDH
- A178 **Profile Parasites (6 Parameters) PCR NEW** Fe
Giardia lamblia, Entamoeba histolytica, Cryptosporidium spp., Cyclospora cayetanensis, Blastocystis hominis, Dientamoeba fragilis
- A178N **Parasites Control Examination NEW** Fe
 - Giardia lamblia
 - Entamoeba histolytica
 - Cryptosporidium spp.
 - Cyclospora cayetanensis
 - Blastocystis hominis
 - Dientamoeba fragilis
- A179 **Profile Viral Enteritis PCR NEW** Fe
Noro viruses GI + GII, rota viruses, adeno viruses, astro viruses, sapo viruses
- A170N **Worms, Worm Eggs** 3x Fe
- A180 **Digestive Residues** Fe
Quantitative proof of fat, nitrogen, sugar, water
- A190 **Maldigestion:** Fe
Pancreas Elastase, Bile Acids
- A200 **Malabsorption: α-1-AT, Calprotectin** Fe
- A390 **Mucosa Immunity: slgA** Fe
- A400 **Colonisation Resistance: β-Defensin** Fe

A260 Early Detection Colorectal Carcinoma

- A210 **Calprotectin, Haemoglobin** Fe
- A320 **Haemoglobin/Haptoglobin** Fe
- A430 **M2PK in Stool** Fe

A270 Molecular-Genetic Stool Analyses (PCR)

- A165 **Firmicutes-Bacteroidetes-Ratio** Fe
- A167 **Profile Toxin-Butyrate Development** Fe
Clostridia Cluster I, Faecal Bacterium prausnitzii
- A171 **Profile Mucin / Butyrate Development** Fe
Faecal Bacterium prausnitzii, Akkermansia muciniphila
- A172 **Profile Mucin / Butyrate / H2S Development** Fe
Faecal Bacterium prausnitzii, Akkermansia muciniphila, Sulphate Reducing Bacteria (SRB)
- A176 **Profile Autism / Clostridia Diagnostics** Fe
Clostridia Cluster I, Sulphate Reducing Bacteria (SRB)

A300 Individual Parameters

- A310 **Haemoglobin** Fe
- A330 **Calprotectin** Fe
- A340 **α-1-Antitrypsin** Fe
- A350 **Lactoferrin** Fe
- A360 **Lysozyme** Fe
- A370 **PMN-Elastase** Fe
- A380 **Pankreas Elastase** Fe
- A420 **EPX** Fe
- A440 **EHEC** Fe
- A450 **Cl. difficile GDH Toxins** Fe
(Induced by antibiotics), Toxin A, Toxin B

A499 Intestinal Permeability

- A500 **Zonulin** Fe
- A550 **Zonulin in Serum** S
- A560 **Pee Spot NEW** Test Set 915
Determination of leaky gut (small intestine) Lactose intolerance and sucrose intolerance

A600 Autosodes

- A610 **Alcoholic Dilutions (Pharmacy Sales Price)** 48,05 €
- A620 **Globules (Pharmacy Sales Price)** 54,05 €

Delivery Address for E.coli Auto-Nosodes

Name of Pharmacy:

Address:

B Gastroenterology Diagnostics

B100 Sugar Intolerances

- B110 **Lactose Breath Gas Test** Test Set 901
- B120 **Fructose Breath Gas Test** Test Set 900
- B130 **Sorbitol Breath Gas Test** Test Set 902
- B135 **Combined Fructose-Sorbitol Breath Gas Test** Test Set 917
- B140 **Lactose Intolerance - Genetic Test (Mutation in LCT Gene)** EDTA
- B150 **Fructose Intolerance Genetic Test** EDTA
- A560 **Pee Spot NEW** Test Set 915
Determination of leaky gut (small intestine) Lactose intolerance and sucrose intolerance
- B900 **Bacterial Cleavage Activity of fructose and sorbitol in stool** Fe
(often increased in case of intolerance)

B160 Gluten Intolerance

- A480 **Gliadin and Transglutaminase Antibodies in Stool** Fe
- B170 **Gliadin and Transglutaminase Antibodies in Serum** S
- B180 **Anti-WGA-IgG, IgA NEW** S
(Wheat Germ Agglutinin)
- B190 **Genetic Disposition Sprue / Celiac Disease: HLA-DQ2 / DQ8** EDTA

B200 Stomach Diagnostics

- B210 **Helicobacter pylori Pathogenicity Factors** S
- B220 **Helicobacter pylori Antigen in Stool** Fe
- B230 **Pepsinogen 1 (Anacidity, Hypoacidity)** S

B240 Intestinal Diagnostics

- B250 **Crohn's Disease: p-ASCA Antibodies** S
- B260 **Colitis ulcerosa: x-ANCA** S
- B270 **Indican and Skatole in Urine** 2nd MU

Vaginal Diagnostics



- V712 **Vaginal Microbiome NEW** Test Set 921
Diversity, vagitype, dominant lactobacillus flora, H2O2, lactic acid development, anaerobic accompanying bacterial flora, bacterial vaginosis associated bacteria + Candida including evaluation and therapy recommendations
- K845 **Bacterial Vaginosis/Candidose PCR NEW** Test Set 921
Lactobacilli, key bacteria of bacterial vaginosis, C. albicans, C. glabrata, C. tropicalis, C. Parapsilosis and many more including evaluation and therapy recommendations
- K830 **Sexually Transmitted Infections PCR NEW** Test Set 921
C. trachomatis, N. gonorrhoeae, T. vaginalis, M. genitalium, M. Hominis, U. urealyticum, U. parvum

C Allergies and Intolerances

C100 Antibody Mediated Food Intolerances

- C043 **Pre-Screen A** S
Search of Intolerance Reactions (Covers Food Allergies caused by IgE-Antibodies, IgG4-mediated intolerances and all pollen associated food allergies)
- C044 **Pre-Screen B** S
Includes Pre-Screen A + DAO
- C045 **IgE Food Screen** S
Covers the 52 most important food allergens (43 individual allergens and 2 allergen pools)
- C046 **IgG4+ - Food Screen** S
Covers the 70 most important food allergens (35 individual allergens and 9 allergen pools)
- C242 **IgG4+ - Compact Screen** S
90 individual allergens with result explanation, therapy recommendations and many prescriptions
- C433 **IgG4+ - Omniscreen** 2S
Covers 232 allergens with result explanation, therapy recommendations and individual prescriptions
- C759P/ **IgG4-IgE Combined Screen** S
759S Food Screen - Considering the most frequent food allergies (22 individual allergens + 2 allergen pools, according to NCCLS list)

Differentiation IgG 1-3/IgG4 Intolerances

- C043A **Pre-Screen IgG 1-3/IgG4** S
Spots and differentiates IgG1-3 plus IgG4 mediated food intolerances
- C046A **IgG 1-3 Food Screen** S
The 70 most important food allergens (35 individual allergens and 9 allergen pools)
- C242A **IgG 1-3 Compact Screen** S
90 individual allergens with result explanation and therapy recommendations
- C433A **IgG 1-3 Omniscreen** 2S
232 allergens with result explanation and therapy recommendations

C380 Histamine Intolerance

- C385 **Histamine Degradation Capacity NEW** S
- C390 **Diamine Oxidase (DAO)** S
(Determination of reactions to biogenic amines)
- C395 **Co-Factors of DAO** EDTA, Hep
Small blood count, Vitamin B6, copper + zinc in whole blood
- A410 **Histamine in Stool** Test Set 909
- A112 **Histamine developing Bacteria** Fe
- C410 **Methyl Histamine in Urine** Test Set 908
- C415 **Histamine in Urine** Test Set 908

C420 Inhalative Allergies IgE

- C430 **Inhalation Screen 20 Allergens** S
Covers the most important pollen, weeds, animal epithelia, mites and mildew
- C440E **Early Bloomers** S
(starting end of January) Alder, Hazelnut, Elm, GAX2
- C450E **Central Bloomers** S
(starting May) Timothy-Grass, Wheat, Rye, Tx22, kx2
- C460E **Late Bloomers** S
Cock s-Foot, Meadow-Foxtail, Buffalo Gras, pax3
- C470E **Allergens in Homes** S
Ex4, HAX1, M11, Mx12, Ex8

C550 Pseudo-allergic Reactions (CAST)

- C560 **Pseudo-Allergy Screening Profile (3 Pools)** EXP 2EDTA
15 Food Colours and Additives
Food Colouring Pool 1: Quinoline Yellow, Yellow-Orange, Azorubine, Amaranth, Cochineal Red A
Food Colouring Pool 2: Erythrosine, Patent Blue, Indigo Carmine, Brilliant Black
Food Additives Pool 3: K-meta-bisulphite, Na-benzoate, Na-nitrite, Na-salicylate, Tartrazine, Glutamate
- C570 **Individual Test Pool 1** EXP 2EDTA
- C580 **Individual Test Pool 2** EXP 2EDTA
- C590 **Individual Test Pool 3** EXP 2EDTA
Individual analysis: Cast please insert in field for individual requests on page 1

C640 Type IV Allergies

- Food**
- C650 **Determination of T-cell Mediated Allergies Against 20 Main Foods** EXP 3CPDA/ACDB
Food Pool 1: Milk, Hen s Egg, Wheat, Rye, Rice
Food Pool 2: Peach, Apple, Orange, Hazelnut, Peanut
Food Pool 3: Tomato, Soy, Carrot, Celery, Potato
Food Pool 4: Cod, chicken, turkey, beef, pork

Additional Diagnostics In Case Of Positive Pool Test Results

- C660 **Individual Test - Pool 1** EXP 3CPDA/ACDB
- C670 **Individual Test - Pool 2** EXP 3CPDA/ACDB
- C680 **Individual Test - Pool 3** EXP 3CPDA/ACDB
- C690 **Individual Test - Pool 4** EXP 3CPDA/ACDB

C700 Miscellaneous

- C710 **Casomorphin and Gliadorphin NEW** Test Set 912
B-Casomorphin 7, Gliadorphin, Casomorphin 1-3, Casomorphin 1-4amid, Exorphin A5, B5, C

Important: Colourmarked parameters may not be cooled!

1st MU = First Morning Urine, 2nd MU = Second Morning Urine, Citrat = Citrate Blood 1:10, CPDA/ACDB = Citrate Transport Med., CP = Citrate Plasma, CPg = Frozen Citrate Plasma, EDTA = EDTA-Whole-Blood, EDTA-PL = EDTA-Plasma, EXP = Sample Pick-up or Express Shipment required, Fe = Stool, HCY = Special Vial Homocysteine, Hep = Heparin Whole-Blood, Light-Protected, NaF = Sodium Fluoride Whole-Blood, ObjT = Object Slide, S = Serum, SZ = Serum, also in case of short shipping time), SpezR = Special Vial, U24 = Urine collected over a period of 24 hours, U24HCl = U24 + Hydrochloric Acid acidified, U24Ac = U24 + Acetic Acid acidified, U# = Urine, in case of professional exposure after end of shift



D Immunology and Haematology

Cellular function tests have to arrive at the laboratory within 24 hours.
Optimal blood sampling Monday to Thursday (D500) and from Monday to Wednesday (D510). Please never on Friday or before holidays!

D100 Cellular and Humoral Profiles

- D110 **Immune Profile Complete 1** SZ, SZ frozen, 2EDTA
Ly-Diff., CRP, sIL2R, Neopterin, IgG, IgA
- D120 **Immune Profile Complete 2** 2SZ, SZ frozen, 2EDTA
Ly-Diff., CRP, sIL2R, Neopterin, ECP, RF, ANA, IgG, IgG-sub-categories, IgA, IgM

D129 Anemia

- D131 **Blood Group + RH + Antibody Screening Test** EDTA labelled
- D133 **Anemia Profile** S, EDTA
Small blood count, LDH, transferrin saturation, ferritin, Vit. B12, folic acid, Haptoglobin
- D135 **Glucose-6-Phosphate-Dehydrogenase** Hep

D140 Cellular Diagnostics

- D150 **Small Blood Count** EDTA
- D160 **Complete Blood Count** EDTA
- D180 **Cellular Immune Status** EXP 2EDTA
(Lymphocyte Differentiation)
- D197 **Monocytes-NK-Cells-Monitoring** **NEW** EXP 2EDTA
extended DIFFCBC, CD14+CD16+/CD56+
- D181 **Immune Status (Micro Immune Therapy)** **NEW** EXP
Cathedral graphics 2EDTA
- D187 **Monitoring Immune Activation** **NEW** EXP 2EDTA
- D200 **Regulatory T-cells** EXP 2EDTA

D230 Humoral Activity Parameters

- D240 **Humoral Immune Activity Profile** SZ, SZ frozen
CRP, sIL2R, neopterin
- D250 **CRP** S
- D260 **Soluble Interleukin-2-Receptor (sIL2R)** SZ frozen
- D270 **Neopterin in Serum** S
- D275 **IP-10** **NEW** S
- D290 **Eosinophil Cationic Peptide (ECP)** SZ frozen

D310 Rheumatologic Diagnostics/ Auto-Immune-Diseases

- D320 **Profile Rheumatism 1** SZ, SZ frozen, EDTA
Small Blood Count, CRP, sIL2R, ANA, RF, CCP antibodies
- D340 **Reactive Arthritis** 2S
Yersinia antibodies, Chlamydia trachomatis antibodies, Chlamydia pneumonia antibodies (IgA and IgG for each)
- D350 **RF** S
- D360 **ANA** S
- D365 **ENA-Profile** **NEW** S
(SS-A, SS-B, Jo-1, SCL-70, U1RNP, ds-DNA, CENP-B)
- D400 **CCP Antibodies** S
- D410 **c-ANCA** S
- D420 **p-ANCA** S

D490 NK-Cell Function Tests

- D500 **Basic Activity** EXP 3CPDA/ACDB
Cytotoxic activity against virus-infected cells and tumour cells
- D510 **Tumour Killing Test Standard Panel** EXP 5CPDA/ACDB
Cytotoxic activity against virus-infected cells and tumour cells, control of immune modulators, including standard panel: selenium, vitamin C, factor AF2, mistletoe, ASS

Selection of further Immune Modulators

only available in combination with D500 or D510

Please select from the following preparations: EXP

- D620 Helixor M CPDA/ACDB
- D630 Helixor P CPDA/ACDB
- D640 Helixor A CPDA/ACDB
- D650 Iscador M CPDA/ACDB
- D660 Iscador P CPDA/ACDB
- D820 Individual Preparation: CPDA/ACDB

D830 Cytokine Diagnostics

- D845 **TH1/2/17 Cytokine Status (stimulated)** EXP Hep
Control of the immune balance condition by interleukin analysis
- D850 **Pro-inflammatory Cytokine Status (stimulated)** EXP Hep
Control of an inflammatory condition (Interleukin Synthesis)
- D860 **TNF in Serum** EXP SZ frozen
- D870 **IL-1 in Serum** EXP SZ frozen
- D880 **IL-6 in Serum** EXP SZ frozen
- D890 **Elispot Virus Pool** EXP 3CPDA/ACDB
(Immune Competence TH1)

D900 Immune Globulins

- D910 **IgA** S
- D920 **IgG Total** S
- D930 **IgG Subcategories** S
- D950 **IgE** S
- D960 **Profile Immune Globulins** S
IgM, IgG, IgA, IgG Subcategories (IgG1, IgG2, IgG3, IgG4)
sigA: see A390

E Orthomolecular and Mitochondrial Medicine

E100 Minerals and Trace Elements

- E101 **Whole Blood Mineral Analysis Maxi** **NEW** EDTA, Hep
Sodium, Potassium, Calcium, Magnesium, Molybdenum, Iron, Zinc, Copper, Selenium, Chromium, Manganese, Phosphorus, Boron, Lead, Cadmium, Nickel, Mercury, Aluminium, Arsenic, Antimony, Cobalt, Vanadium, Tin, Thallium, Erythrogram
(no determination possible without erythrogram)
 - E105 **Whole Blood Mineral Analysis extended** **NEW**
Sodium, Potassium, Calcium, Cadmium, EDTA, Hep
Magnesium, Iron, Zinc, Copper, Chromium, Manganese, Selenium, Erythrogram, Lead
(no determination possible without erythrogram)
 - E110 **Whole Blood Mineral Analysis** EDTA, Hep
Sodium, Potassium, Calcium, Magnesium, Iron, Zinc, Copper, Selenium, Erythrogram
(no determination possible without erythrogram)
 - E115 **Intra Cellular Minerals** **NEW** Hep
Covers Zinc, Selenium, Magnesium, Manganese and Potassium in washed erythrocytes. Preferably at reduced cell numbers (Anemia)
 - E120 **Zinc in Whole Blood** EDTA, Hep
 - E130 **Selenium in Whole Blood** EDTA, Hep
 - E140 **Manganese in Whole Blood** Hep
 - E145 **Molybdenum in Whole Blood** Hep
 - E150 **Chromium in Whole Blood** Hep
 - E151 **Chromium-III in Serum** S
 - E152 **Boron in Serum** S
 - E160 **Iodine in Urine** U24 / 2nd MU
 - E162 **Iodine Load Test** U24
- | Amount/Litre | Dose/mg | Weight/kg |
|--------------|---------|-----------|
| | | |

- E190 **Hair Mineral Analysis** **NEW** Test Set 913
38 minerals/trace elements/toxic minerals, heavy-metal-index

E200 Oxidative Stress

- E210 **Profile Oxidative Stress** S, U
Anti-oxidative capacity, lipid-peroxidation, 8-OH-desoxy-guanosine
- E220 **Profile Anti-Oxidants** S, 2EDTA, Hep
Glutathione Peroxidase, Superoxide-Dismutase, β-Carotene, Vitamin E, Selenium, Zinc
- E230 **Profile Glutathione Metabolism** EXP CPDA/ACDB
(GSH and GSSG)
- E240 **Lipid Peroxidation** S
- E250 **Anti-Oxidative Capacity** S
- E255 **Thiol-Status** **NEW** S
- E260 **8-Hydroxydesoxy-Guanosine** U
- E290 **Glutathione Peroxidase** EDTA
- E301 **Superoxide Dismutase Mn** **NEW** S
- E305 **OxLDL (oxidatively modified LDL)** **NEW** S

E310 Nitrosative Stress + Mitochondria

- E320 **Profile Nitrosative Stress + Mitochondria** S, EDTA
Mitochondrial Activity, Nitro-tyrosine, EXP CPDA/ACDB
Co-enzyme Q10, Vitamin B12, LDH-Isoenzymes
- E325 **Profile Nitrosative Stress** 2nd MU
Nitrophenyl-Acetic Acid, Methyl Malonic Acid, Citrulline
- E330 **Mitochondrial Activity** EXP CPDA/ACDB
(Evaluation of Membrane Potential)
- E332R **Mitochondrial Radical Formation (basal)** **NEW**
Evaluation of endogenous neutralisation capacity after oxygen radical formation EXP EDTA
- E333 **ATP-Stress Test** EXP 3CPDA/ACDB
- E340 **Nitro-Tyrosine** EXP EDTA
- E350 **Citrulline in Urine** 2nd MU

- E360 **Protein S100** EXP SZ
- E370 **Protein S100 Stress Test** EXP 2SZ
(Test Instructions - please refer to www.bioviss.de)
- E380 **LDH and LDH-Isoenzymes** S
- E390N **Lactate / Pyruvate Ratio*** EXP CP
(*on an empty stomach, at rest)
- E400 **Nitrophenyl Acetic Acid in Urine** 2nd MU

E410 Vitamins

- E420 **Vitamin Profile** 2S, 2EDTA
Vitamin B6, B12, 25-OH-D3, Folic Acid, Co-enzyme Q10
- E430 **Vitamin A** S
- E440 **β-Carotene** S
- E451 **Vitamin B1** EDTA
- E460 **Vitamin B2** EDTA
- E470 **Nicotinamide (Vitamin B3)** S
- E485 **Vitamin B5** **NEW** S
- E480 **Vitamin B6** EDTA
- E490 **Folic Acid Storage Status (Vitamin B9)** EDTA
- E500 **Vitamin B12** S
- E510 **Holotrans-Cobalamin** S
- E520 **Methyl-Malonic Acid** 2nd MU
- E530 **Vitamin C** Hep
- E505 **Ceruloplasmin** **NEW** S
- E560 **Vitamin E** S
- E570 **Biotin (Vitamin H)** S
- E575 **Vitamin K1/K2** SZ
- E580 **Co-enzyme Q10** S
- E590 **Co-enzyme Q10 lipid corrected** S

E410 Vitamins

- E540 **25-OH-Vitamin D3** S
- E550 **1,25-(OH)-Vitamin D3** SZ
- E552 **Vitamin D-Receptor Blockade** **NEW** SZ
1,25-(OH)-Vitamin D3, 25-OH-Vitamin D3, Ratio
- E554 **Interaction in Vitamin-D-Metabolism** **NEW**
Calcium, Magnesium, Zinc, EXP EDTA, Hep, SZ
Phosphate, Vitamin K1/K2
- F225 **Parathormone** **NEW** SZ frozen

E600 Organic Acids, Fatty Acids, Amino Acids

- E408 **Organic Acids Complete Profile** Test Set 908
Contains 24 organic acids and provides for the evaluation of mitochondrial energy production, vitamin metabolism, methylisation capacity (folic acid demand), oxidative stress, amino acid metabolism and many more
- E425 **Organic Acids of the Citric Acid Cycle** Test Set 908
Fumarate, Citrate, Malate, Alpha-Ketoglutarate
- E435 **Vitamin Metabolism Marker** Test Set 908
Methyl Malonic Acid, Cystathionine, Fumarate, Isocitrate, Citrate, Alpha-Ketoglutarate
- E610 **Amino Acid Status** EXP EDTA-PI.
24 Amino Acids
- E620 **L-Tryptophan Individual Determination** EXP EDTA
- E630 **L-Carnitin** S
- E640 **Fatty Acid Status in Whole Blood** EDTA
- E644 **Fatty Acid Status of Erythrocyte Membranes** **NEW** EDTA
Includes only fatty acids in erythrocyte membranes, not in serum or plasma
- E650 **Fatty Acid Status in Serum** S
(saturated/unsaturated fatty acids, ω3/ω6 fatty acids)

E640 Additional Profiles

- E660 **Hair Loss Profile** S, EDTA, Hep
Small blood count, vitamin B12, folic acid, biotin, zinc in whole blood, transferrin saturation, TSH
- E670 **Basic Profile + OM** 2SZ, SZ frozen, EDTA, Hep, NaF
Complete blood count, CRP, neopterin, ECP, creatinine, urea, gGT, GPT potassium (S), sodium (S), calcium (S), potassium (whole blood), magnesium (whole blood), zinc (whole blood), transferrin saturation, %KECR, blood sugar, cholesterol, HDL, LDL, LDH/HDL, triglycerides, uric acid, TSH, LDH and LDH isoenzymes, anti-oxidative capacity

= Important: Colourmarked parameters may not be cooled!

1st MU = First Morning Urine, 2nd MU = Second Morning Urine, Citrat = Citrate Blood 1:10, CPDA/ACDB = Citrate Transport Med., CP = Citrate Plasma, CPg = Frozen Citrate Plasma, EDTA = EDTA-Whole-Blood, EDTA-PI. = EDTA-Plasma, EXP = Sample Pick-up or Express Shipment required, Fe = Stool, HCY = Special Vial Homocysteine, Hep = Heparin Whole-Blood, = Light-Protected, NaF = Sodium Fluoride Whole-Blood, ObjT = Object Slide, S = Serum, SZ = Serum - must be centrifuged (also in case of short shipping time), SpezR = Special Vial, U24 = Urine collected over a period of 24 hours, U24HCl = 24 + Hydrochloric Acid acidified, U24Ac = U24 + Acetic Acid acidified, U# = Urine, in case of professional exposure after end of shift



F		Endocrinology	
F100		General Profiles	
<input type="checkbox"/>	F110	Hormone Status Female - Basic	S
		LH, FSH, Estradiol, Progesterone, Prolactin	
<input type="checkbox"/>	F120	Hormone Status Female - Supplement	S
		Estrone, Testosterone, SHBG, Somatomedin C	
<input type="checkbox"/>	F130	Menopause Profile	S
		FSH, LH, Estradiol, Estrone	
<input type="checkbox"/>	F140	Hormone Status Male - Basic	S
		LH, FSH, Free Testosterone, Androstendione	
<input type="checkbox"/>	F150	Hormone Status Male - Supplement	S
		Testosterone, Estradiol, Prolactin, DHEAS, SHBG, Somatomedin C	
<input type="checkbox"/>	F180	Hormone Profile Adiposity	S
		FT3, FT4, Cortisol, DHEA-S, Testosterone	
F190		Thyroid Gland	
<input type="checkbox"/>	F200	Thyroid Gland Basic Profile	S
		TSH, fT3, fT4	
<input type="checkbox"/>	F210	Thyroid Gland - Supplementary Profile	S
		TSH Receptor Antibodies, Microsomal Antibodies	
<input type="checkbox"/>	F220	TSH	S
<input type="checkbox"/>	F224	Reverse T3 <i>NEW</i>	SZ frozen
<input type="checkbox"/>	F230	Mikrosomal Antibodies	S
<input type="checkbox"/>	F240	TRAK	S
<input type="checkbox"/>	F245	TAK	S
F250		Pituitary Gland Control Hormones	
<input type="checkbox"/>	F260	LH	S
<input type="checkbox"/>	F270	FSH	S
<input type="checkbox"/>	F280	Prolactin	S
F310		Sex Hormones	
<input type="checkbox"/>	F320	Estradiol	S
<input type="checkbox"/>	F330	Estrone	S
<input type="checkbox"/>	F340	Progesterone	S
<input type="checkbox"/>	F350	Total Testosterone	S
<input type="checkbox"/>	F360	Free Testosterone	S
<input type="checkbox"/>	F370	SHBG	S
<input type="checkbox"/>	F380	Dihydrotestosterone	S
<input type="checkbox"/>	F390	Androstendione	S
<input type="checkbox"/>	F660	Somatomedin C (IgF1)	S
F421		Metabolites	
<input type="checkbox"/>	F325	Estrogen Metabolites <i>NEW</i>	Test Set 927
		2-hydroxy-estrone, 2-methoxy-estrone, 16-hydroxy-estrone, 4-hydroxy-estrone, 4-methoxy-estrone	
		Methylation Activity	
		Based on estrogen metabolism	
F410		Adrenal Gland Hormones	
<input type="checkbox"/>	F440	Cortisol in Serum	S
<input type="checkbox"/>	F450	DHEA-S in Serum	S
F470		Neurological Stress	
<input type="checkbox"/>	F500	Neurotransmitter Basic	Test Set 908
		Catecholamines (adrenalin, noradrenalin, dopamine), Serotonin	
<input type="checkbox"/>	F510	Neurotransmitter Plus	Test Set 908
		Catecholamines (adrenalin, noradrenalin, dopamine), Serotonin, Glutamate, GABA	
<input type="checkbox"/>	F520	Neurotransmitter Inhibitory	Test Set 908
		Serotonin, GABA	
<input type="checkbox"/>	F550	Serotonin in Urine	Test Set 908
<input type="checkbox"/>	F570	Melatonin Sulphate in Urine*	1st MU
		(*nocturnal total production)	
<input type="checkbox"/>	F600	Adrenalin in Urine	Test Set 908
F750		Hormon Profiles according to Rimkus	
<input type="checkbox"/>	RIM1	Females: Estradiol, Progesterone	S
<input type="checkbox"/>	RIM1A	Females: Estradiol, Progesterone, FSH	S
<input type="checkbox"/>	RIM2	Males: Estradiol, Progesterone	S
<input type="checkbox"/>	RIM2A	Males: Estradiol, Progesterone, Testosterone	S

G		Clinical Chemistry	
G100		General Profiles	
<input type="checkbox"/>	G110	Small Basic Profile	S, EDTA, NaF
		Small blood count, usCRP, blood sugar, Crea, yGT, GPT, Amylase, Cholesterol, HDL, LDL, Triglycerides, HSR	
<input type="checkbox"/>	G130	Large Basic Profile	2S, EDTA, NaF, U
		Small Basic Profile + AP, Hst, HbA1C, Albumin quantitative, TSH, Ferritin, Micro-albumin in Urine	
G180		Liver and Pancreas	
<input type="checkbox"/>	G200	Liver Basic Profile	S, EDTA
		Small blood count, GGT, GPT, GOT, AP, cholinesterase, total bilirubin, LDH	
<input type="checkbox"/>	G210	Hepatitis Serology Profile	S
		Anti-HAV-IgM, Anti-Hbc-IgM, Hbs-Ag, HCV antibodies	
<input type="checkbox"/>	G220	HAV Antibodies IgM + IgG	S
<input type="checkbox"/>	G230	Hbc Antibodies IgM	S
<input type="checkbox"/>	G240	Hbs Antibodies	S
		(Hepatitis B Vaccination Titre)	
<input type="checkbox"/>	G250	Hbs-Ag	S
<input type="checkbox"/>	G260	HBV DNA quantitative	EDTA
<input type="checkbox"/>	G270	HCV Antibodies (EIA)	S
<input type="checkbox"/>	G280	HCV-RNA quantitative	EDTA
<input type="checkbox"/>	G290	HEV-Antibodies IgM + IgG	S
<input type="checkbox"/>	G300	Liver-Pancreas Screening	S
		GGT, GPT, Amylase	
<input type="checkbox"/>	G305	Bilirubin	S
<input type="checkbox"/>	G315	Albumin quantitative	S
G310		Kidneys, Water and Electrolyte Balance	
<input type="checkbox"/>	G320	Kidney Profile	SZ, EDTA, NaF, 2nd MU
		Small blood count, Crea, Hst., Na (S), K (S), Ca (S), blood sugar, Albumin quantitative, Micro-Albumin and NAG in Urine	
<input type="checkbox"/>	G330	Urea	S
<input type="checkbox"/>	G335	Creatinine	S
<input type="checkbox"/>	G340	Cystatine C	S
<input type="checkbox"/>	G345	Serum Electrolytes Small (Na, K, Ca)	SZ
<input type="checkbox"/>	G350	Serum Electrolytes Large (Na, K, Ca, Mg, Cl, PO4)	SZ
<input type="checkbox"/>	G370	Micro-albumin in Urine	U
<input type="checkbox"/>	G385	Urostix	Mid-stream urine
G390		Arteriosclerosis Risk, Metabolic Syndrome	
<input type="checkbox"/>	G400	Diabetes Screening	EDTA, NaF
		Blood Sugar, HbA1c	
<input type="checkbox"/>	G410	Intact Proinsulin	EXP SZ frozen
<input type="checkbox"/>	G415	HOMA Index (Insulin, Blood Sugar)	EXP SZ frozen, NaF
		Insulin resistance	
<input type="checkbox"/>	G420	Fat Metabolism Screening	S
		Cholesterol, HDL, LDL, TG	
<input type="checkbox"/>	G430	Lipoprotein A	S
<input type="checkbox"/>	G450	Ultra-sensitive CRP	S
<input type="checkbox"/>	G460	Homocysteine	HCY
<input type="checkbox"/>	E305	OxLDL (oxidatively modified LDL) <i>NEW</i>	S
<input type="checkbox"/>	G480	Leptin	S
<input type="checkbox"/>	G490	Adiponectin	S
<input type="checkbox"/>	G500	Uric Acid	S
<input type="checkbox"/>	G510	ADMA (asymmetric dimethyl-arginine)	S
<input type="checkbox"/>	G515	Lipoprint (LDL sub-categories)	S
<input type="checkbox"/>	D1230	Fibrinogen	Citrate
G520		Heart and Muscles	
<input type="checkbox"/>	G530	Muscle Enzymes	S
		CK, GOT, LDH	
<input type="checkbox"/>	G550	NT-pro-BNP (myocardial failure)	S
G560		Bone Metabolism	
<input type="checkbox"/>	G570	Crosslinks	2nd MU
<input type="checkbox"/>	G580	Bone-specific AP	S
G610		Iron Balance	
<input type="checkbox"/>	G620	Transferrin Saturation (serum iron, transferrin)	S
<input type="checkbox"/>	G630	Ferritin	S
<input type="checkbox"/>	G612	Iron Standard	EDTA, S
		Small blood count, iron (s), transferrin, transferrin saturation	
<input type="checkbox"/>	G614	Iron Store	EDTA, S
		Iron standard, hsCRP, soluble transferrin receptor, iron index	
<input type="checkbox"/>	G616	Iron Anemia	S, Hep, 2EDTA
		Iron standard, iron (whole blood), hsCRP, ferritin, Vit. B6, B12, folic acid store status, copper (S)	
<input type="checkbox"/>	G618	Iron Inflammation/Tumour	S, Hep, EDTA
		Iron standard, iron (whole blood), usCRP, ferritin, folic acid store status	

G650		Tumour Marker	
<input type="checkbox"/>	G661	Prostate Screening (PSA, fPSA, ratio)	S
<input type="checkbox"/>	G670	Total PSA	S
<input type="checkbox"/>	G681	Female Profile 1	S
		CEA, SCC, Ca19-9	
<input type="checkbox"/>	G690	Female Profile 2	S
		TPA, Ca12-5, Ca15-3	
<input type="checkbox"/>	G701	Male Profile 1	S
		CEA, Ca19-9, total PSA	
<input type="checkbox"/>	G710	Male Profile 2	S
		Cyfra21-1, AFP, β -HCG, TPA	
<input type="checkbox"/>	G720	LSA	S
<input type="checkbox"/>	G730	M2PK (Blood)	EDTA-PI.
H		Genetics	
According to the Germany-Law-on-human-genetic-testing (GenDG) the Declaration of Consent on page 6 has to be filled out for all the Genetic Diagnostics.			
H100		Pharmacogenetics and Toxicogenetics	
<input type="checkbox"/>	H110	CYP1A1	EDTA
<input type="checkbox"/>	H120	CYP1A2	EDTA
<input type="checkbox"/>	H140	CYP2C9	EDTA
<input type="checkbox"/>	H150	CYP2C19	EDTA
<input type="checkbox"/>	H630	CYP2D6 (e.g. Tamoxifen, TCA, SSRI) <i>NEW</i>	EDTA
<input type="checkbox"/>	H170	CYP2E1	EDTA
<input type="checkbox"/>	H180	CYP3A4	EDTA
<input type="checkbox"/>	H190	GST M1 / T1 / P1	EDTA
<input type="checkbox"/>	H200	GST M1	EDTA
<input type="checkbox"/>	H210	GST T1	EDTA
<input type="checkbox"/>	H220	GST P1	EDTA
<input type="checkbox"/>	H230	GST M3	EDTA
<input type="checkbox"/>	H240	GST Total Activity	EDTA
<input type="checkbox"/>	H260	NAT2	EDTA
<input type="checkbox"/>	H300	COMT	EDTA
<input type="checkbox"/>	H310	SOD2	EDTA
H340		Genetic Risk Factors - Cardiovascular	
<input type="checkbox"/>	H350	ApoE	EDTA
<input type="checkbox"/>	H360	ACE	EDTA
H380		Genetic Osteoporosis Risk	
<input type="checkbox"/>	H390	Profile (VDR, ER, COL1A1)	EDTA
		Estrogen receptor-, VDR3-COL1 A1-Polymorphism	
<input type="checkbox"/>	H400	Vitamin D Receptor (VDR)	EDTA
<input type="checkbox"/>	H410	Estrogen Receptor (ER)	EDTA
H430		Genetic Thrombosis Risk	
<input type="checkbox"/>	H440	Faktor II Mutation (Prothrombin Gene)	EDTA
<input type="checkbox"/>	H450	Faktor V-Mutation (Leiden Mutation)	EDTA
<input type="checkbox"/>	H460	MTHFR	EDTA
<input type="checkbox"/>	H480	Profile Thrombosis Risk (FII, FV, MTHFR)	EDTA
		Factor V Leiden, Prothrombin, MTHFR	
<input type="checkbox"/>	H485	HLA-B27	EDTA
H490		Other Genetic Risk Factors	
<input type="checkbox"/>	H500	Haemochromatosis (HFE gene)	EDTA
<input type="checkbox"/>	H510	Parodontitis Risk (IL-1-gene)	Test Set 910
		Parodontitis Marker Pathogens (A. actinomycetocemittans, Porphyromonas g., Prevotella i., Bacteroides f, Treponema d.)	
		Genetic Food Intolerances: see B100 et seq.	
H600		Multi-Gene-Analyses	
<input type="checkbox"/>	H610	Muta Chip Arteriosclerosis	EDTA
		Covers 14 relevant gene mutations in case of cardiovascular diseases. The gene variants influence blood pressure, lipid balance, homocysteine metabolism and coagulation	
<input type="checkbox"/>	H620	Muta Chip Food Intolerance	EDTA
		Covers alcohol intolerance, fructose, lactose and sucrose intolerance, glucose-6-P-dehydrogenase deficiency, celiac disease	
<input type="checkbox"/>	H640	Muta Chip Pharmaco Genetics	EDTA
		Cyp1A1, Cyp1A2, Cyp2C9, Cyp2C19, Cyp3A4, CYP3A5, CYBA, COMT, GST M1/T1/P1, NAT2, MDR	

1st MU = First Morning Urine, 2nd MU = Second Morning Urine, Citrat = Citrate Blood 1:10, CPDA/ACDB = Citrate Transport Med., CP = Citrate Plasma, Cpg = Frozen Citrate Plasma, EDTA = EDTA-Whole-Blood, EDTA-PI. = EDTA-Plasma, EXP = Sample Pick-up or Express Shipment required, Fe = Stool, HCY = Special Vial Homocysteine, Hep = Heparin Whole-Blood, Light-Protected, NaF = Sodium Fluoride Whole-Blood, ObjT = Object Slide, S = Serum, SZ = Serum - must be centrifuged (also in case of short shipping time), SpezR = Special Vial, U24 = Urine collected over a period of 24 hours, U24HCl = 24 + Hydrochloric Acid acidified, U24Ac = U24 + Acetic Acid acidified, U# = Urine, in case of professional exposure after end of shift



4 2 7 5 - A 1 2 - 1 - 4

I Detoxification/Toxicology	
I100 Heavy Metals	
<input type="checkbox"/> I113	Profile Heavy Metals Chelate Test ICP2 before and after Chelate (38 elements) <small>Test Set 925</small> Ag, Al, As, Au, B, Ba, Be, Bi, Cd, Co, Cr, Cs, Cu, Fe, Ga, Gd, Ge, Hg, In, Ir, Li, Mn, Mo, Ni, Pb, Pd, Pt, Sb, Se, Sn, Sr, Ti, Tl, U, V, W, Zn, Zr, creatinine
<input type="checkbox"/> I114	Profile Heavy Metal Chelate Test ICP2 after Chelate (38 elements) <small>Test Set 925</small> Ag, Al, As, Au, B, Ba, Be, Bi, Cd, Co, Cr, Cs, Cu, Fe, Ga, Gd, Ge, Hg, In, Ir, Li, Mn, Mo, Ni, Pb, Pd, Pt, Sb, Se, Sn, Sr, Ti, Tl, U, V, W, Zn, Zr, creatinine
<input type="checkbox"/> I115	Heavy Metal in Urine without Chelate (38 elements) <small>2x 2.MU</small> Ag, Al, As, Au, B, Ba, Be, Bi, Cd, Co, Cr, Cs, Cu, Fe, Ga, Gd, Ge, Hg, In, Ir, Li, Mn, Mo, Ni, Pb, Pd, Pt, Sb, Se, Sn, Sr, Ti, Tl, U, V, W, Zn, Zr, creatinine
<input type="checkbox"/> I120	Mercury in Urine before Chelate administration <small>2x 2.MU</small>
<input type="checkbox"/> I130	Mercury in Urine after Chelate administration <small>Test Set 925</small>
<input type="checkbox"/> I240	Gadolinium in Urine NEW before Chelate administration <small>2x 2.MU</small>
<input type="checkbox"/> I245	Gadolinium in Urine NEW after Chelate administration <small>Test Set 925</small>
<input type="checkbox"/> I927	Safety Profile Chelate <small>2SZ, NaF, Hep, EDTA</small> Complete blood count, Creatinine, Hst, Na, K Ca, blood sugar, K, Mg, Cu, Zn in whole blood, gGT, Transferrin Saturation, CRP, GPT

I280 Solvents and Aromatic Compounds	
<input type="checkbox"/> I282	Solvent Screen (qualitative) <small>SpezR - min. 4ml</small>
<input type="checkbox"/> I290	Phenol in Urine (benzene pollution) <small>U#</small>

D980 LTT Tests (specific Type IV reactions)	
<input type="checkbox"/> D1010	LTT Environmental Toxins <small>EXP 3CPDA/ACDB</small> Plasticisers, formaldehyde, Phenol, permethrine, Dichlorophenoxy acetic acid
<input type="checkbox"/> D1020	LTT Moulds <small>EXP 3CPDA/ACDB</small> Aspergillus sp., Alternaria sp., Cladosporium sp.
<input type="checkbox"/> D1025	LTT Solvents <small>EXP 3CPDA/ACDB</small> Toluol, xylon, aceton, hexan, tetrachloroethylene, dichloromethane

I430 Other Toxicology	
<input type="checkbox"/> I360	Glyphosate NEW <small>U</small>
<input type="checkbox"/> I370	Polychlorinated Biphenyls <small>S</small>
<input type="checkbox"/> I380	Pentachlorophenol <small>S</small>
<input type="checkbox"/> I390	Hexachlorocyclohexane Metabolites <small>SpezR</small>
<input type="checkbox"/> I432	Pesticide Screening (qualitative) <small>SpezR</small>

Dentistry	
<input type="checkbox"/> D1060	LTT Metals NEW <small>EXP 6CPDA/ACDB</small> Hg, Cu, Ag, Sn Ethylmercury, Au, Ni, Pd, Cr, Co, Mo, Al, Pt, Cd
<input type="checkbox"/> D1070	LTT Plastics NEW <small>EXP 6CPDA/ACDB</small> TEGDMA, BISGMA, HEMA, MMA, DUDMA, EGDMA, Butanediol-1-4-methacrylate, Hydroquinone, Dimethyl-4-toluidine Benzoyl Peroxide, Formaldehyde, Phthalates, Camphorquinone
<input type="checkbox"/> D1080	LTT Combined Profile (Dental Check) NEW <small>EXP 6CPDA/ACDB</small> Au, Ni, Pd, Cr, Co, Pt, Hg, Cu, Ag, Sn, MMA, HEMA, TEGDMA, BISGMA
<input type="checkbox"/> D1090	LTT Titanium Alloys NEW <small>EXP 3CPDA/ACDB</small> Ti, V, Al, Ni
<input type="checkbox"/> D1055	Rantes NEW <small>S</small>

I500 Detoxification - Step-by-Step Concept	
STEP 1:	
<input type="checkbox"/> I451	GST Total Activity photometric NEW <small>EXP EDTA</small>
<input type="checkbox"/> H240	GST Total Activity genetic NEW <small>EDTA</small>
<input type="checkbox"/> I460	Caffeine Clearance <small>2S</small> 1 h and 5 h after caffeine intake (up to 60 kg: 300 mg, above: 400 mg)
Please absolutely fill out: Bodyweight (kg) <input type="text"/>	
STEP 2:	
<input type="checkbox"/> E135	In case of reduced GST activity, Micronutrient Analysis: Zinc, Selenium <small>EDTA, Hep</small>
<input type="checkbox"/> E530	In case of disordered Caffeine metabolism, Vitamin C <small>Hep</small>
Step 3: Detoxification Capacity (Genotypes)	
<input type="checkbox"/> H110	CYP 1A1 <small>EDTA</small>
<input type="checkbox"/> H120	CYP 1A2 <small>EDTA</small>
<input type="checkbox"/> H190	GST M1, T1, P1 <small>EDTA</small>
<input type="checkbox"/> H260	NAT2 <small>EDTA</small>

K Infection Diagnostics	
K100 Borreliosis (Lyme Disease)	
<input type="checkbox"/> K111	Borrelia Antibodies IgM and IgG NEW (qualitative) <small>S</small>
<input type="checkbox"/> K131	Borrelia Immunoblots NEW <small>S</small> B. burgdorferi IgG, IgM B. spielmanii IgG, IgM B. azzelii IgG, IgM
<input type="checkbox"/> K115	Borrelia LTT NEW <small>EXP 3CPDA/ACDB</small>
<input type="checkbox"/> K120	Borrelia Elispot <small>EXP 3CPDA/ACDB</small> Determination of specific T-cells, often determinable already 5-7 days after tick bite
<input type="checkbox"/> K121	Borrelia Fluor Essence EliSpot NEW <small>EXP 3CPDA/ACDB</small> Covers g-IFN and IL2 producing lymphocytes in parallel. Allows differentiation between active and past infection.
<input type="checkbox"/> D220	CD3-CD57 + NK-Cells <small>EXP 2EDTA</small>
<input type="checkbox"/> K140	Borrelia DNA in the tick <small>Tick</small>

Additional Tick-borne Diseases	
<input type="checkbox"/> K180	Ehrlichiosis Antibodies <small>S</small>
<input type="checkbox"/> K190	FSME Antibodies (IgG and IgM) <small>S</small>
<input type="checkbox"/> K200	FSME RNA in the tick <small>Tick</small>
<input type="checkbox"/> K170	Tick associated Co-Infections (Babesia microti, Babesia divergens, Ehrlichiosis, Bartonella henselae, Bartonella quintana, Rickettsia rickettsii, Rickettsia typhi) <small>S</small>
<input type="checkbox"/> K141	Tick Screening PCR NEW <small>Tick</small> Borrelia, Anaplasma, Rickettsia, Babesia, Bartonella

K210 Viral Diseases - Serology	
Hepatitis Serology: see G180	
<input type="checkbox"/> K220	HHV 1/2 Antibodies (Herpes simplex 1/2) <small>S</small>
<input type="checkbox"/> K230	VZV - Antibodies (HHV Type 3) <small>S</small>
<input type="checkbox"/> K240	CMV - Antibodies (HHV Type 4) <small>S</small>
<input type="checkbox"/> K251	EBV - Antibodies (HHV Type 5) NEW (VCA p18, EBNA1, Zebra, EA) <small>S</small>
<input type="checkbox"/> K260	EBV - EliSpot <small>EXP 3CPDA/ACDB</small> Infections latent/active
<input type="checkbox"/> K270	HHV6 - Antibodies <small>S</small>
<input type="checkbox"/> K280	HHV7 - Antibodies <small>S</small>
<input type="checkbox"/> K290	HHV8 - Antibodies <small>S</small>
<input type="checkbox"/> K300	HIV1/2 Antibodies <small>S</small>
<input type="checkbox"/> K320	Polio - Antibodies (Vaccination Titre) <small>S</small>
<input type="checkbox"/> K330	Rubella - Antibodies (Vaccination Titre) <small>S</small>
<input type="checkbox"/> K340	Measles - Antibodies (Vaccination Titre) <small>S</small>

K390 Bacteria - Direct Determination	
<input type="checkbox"/> K430	Swab Other: <small>Swab</small>
Diarrhoea Pathogens (see A100 ff.)	
<input type="checkbox"/> K440	Urine Culture <small>U green</small>

K450 Bacteria - Serology	
<input type="checkbox"/> K460	TPHA (Lues Screening Test) <small>S</small>
<input type="checkbox"/> K480	Gonococci Antibodies <small>S</small>
<input type="checkbox"/> K490	Chlamydia pneumoniae Antibodies (IgA + IgG) <small>S</small>
<input type="checkbox"/> K500	Chlamydia trachomatis Antibodies (IgA + IgG) <small>S</small>
<input type="checkbox"/> K505	Chlamydia - EliSpot <small>EXP 3CPDA/ACDB</small>
<input type="checkbox"/> K520	Yersinia Antibodies (IgA + IgG) <small>S</small>
<input type="checkbox"/> K540	Tetanus Antibodies (Vaccination Titre) <small>S</small>
<input type="checkbox"/> K550	Diphtheria Antibodies (Vaccination Titre) <small>S</small>
<input type="checkbox"/> K560	Pneumococci Antibodies (Vaccination Titre) <small>S</small>
<input type="checkbox"/> K570	Mycoplasma Antibodies (IgA, IgM, IgG) <small>S</small>
<input type="checkbox"/> K580	ASL (Anti-Streptolysin Titre) <small>S</small>
<input type="checkbox"/> K590	Campylobacter jejuni KBR <small>S</small> Helicobacter pylori: see B220

K610 Fungi, Protozoa and Worms	
<input type="checkbox"/> K620	Candida Elispot <small>EXP 3CPDA/ACDB</small> Determination of chronic Candida infestation in case of inconspicuous stool findings
<input type="checkbox"/> K630	Candida Serology (IgA, IgG, IgM) <small>S</small>
<input type="checkbox"/> K635	Candida Serology (IgE) <small>S</small>
<input type="checkbox"/> K800	Echinococcus granulosus - Antibodies <small>S</small>
<input type="checkbox"/> K810	Echinococcus multilocularis - Antibodies <small>S</small>

K355 Aromatograms	
<input type="checkbox"/> K362	Vaginal Swab (separate request form) <small>Test Set 911</small>
<input type="checkbox"/> K366	Vaginal Swab including aromatogram (separate request form) <small>Test Set 911</small>
<input type="checkbox"/> K381	Urine Test of Bacteria and Fungi <small>U green</small>
<input type="checkbox"/> K386	Urine Test of Bacteria and Fungi including aromatogram <small>U green</small>
<input type="checkbox"/> K391	Throat and Nasal Swab Bacteria and Fungi <small>Swab</small>
<input type="checkbox"/> K395	Throat and Nasal Swab Bacteria and Fungi including aromatogram <small>Swab</small>
<input type="checkbox"/> K400	Superficial Wound Swab for Bacteria and Fungi <small>2Swabs</small>
<input type="checkbox"/> K405	Superficial Wound Swab for Bacteria and Fungi including aromatogram <small>2Swabs</small>

L Special Tests	
<input type="checkbox"/> L110	Sander Test <small>Test Set 904</small>
<input type="checkbox"/> L120	Kryptopyrrole <small>Test Set 903</small>

M Metabolic Screen Programme	
See separate request form	

N Blood Spot Tests	
Dry Blood Spot Test - DBS Chronic Stress	
<input type="checkbox"/> N105	Tryptophan, Kynurenine, IDO Activity NEW (2 fields entirely filled) <small>Test Set 922</small>
<input type="checkbox"/> N120	Serotonin Blood Spot (capillary) (1 field entirely filled) <small>Test Set 922</small>
<input type="checkbox"/> N120V	Serotonin Blood Spot (venous) NEW (1 field entirely filled) <small>Test Set 922</small>
<input type="checkbox"/> N130	Tryptophan NEW (1 field entirely filled) <small>Test Set 922</small>
<input type="checkbox"/> N140	Kynurenine NEW (1 field entirely filled) <small>Test Set 922</small>
<input type="checkbox"/> N610	BCAA Amino Acids NEW (1 field entirely filled) <small>Test Set 922</small>
Vitamins	
<input type="checkbox"/> N1000	Vitamin D Blood Spot (1 field entirely filled) <small>Test Set 922</small>
Fatty Acid Profile	
<input type="checkbox"/> N1010	Fatty Acid Blood Spot (1 field entirely filled) 12 fatty acids (saturated/unsaturated fatty acids w3/w6-fatty acids) <small>Test Set 922</small>
<input type="checkbox"/> N1100	Fatty Acids Blood Spot extended (1 field entirely filled) 24 fatty acids (saturated/unsaturated fatty acids w3/w6-fatty acids and transfatty acids) <small>Test Set 922</small>
Food Intolerance	
<input type="checkbox"/> N390	Diaminoxidase (DAO) <small>Test Set 922</small>
<input type="checkbox"/> C046D	IgG4 Food Screen (Capillary Blood) <small>Test Set 919</small>

O Saliva Hormones	
O100 Profiles	
<input type="checkbox"/> O200	Cortisol Diurnal Profile in Saliva <small>Test Set Bio1</small> Cortisol 8 a.m./12 noon / 8 p.m.
<input type="checkbox"/> O220	Cortisol - DHEA - Diurnal Profile <small>Test Set Bio1</small> Cortisol 8 a.m./12 noon / 8 p.m., DHEA
<input type="checkbox"/> O360	Melatonin (Night Saliva) <small>Test Set 923</small>
<input type="checkbox"/> O380	Night Saliva Profile Melatonin <small>Test Set 924</small> 10 p.m./12 midnight / 2 a.m.
<input type="checkbox"/> O934	Hormone Profile Male (Saliva) <small>Test Set 905</small> Cortisol, DHEA, Progesterone, Testosterone, Estradiol
<input type="checkbox"/> O935	Hormone Profile Female (Saliva) <small>Test Set 905</small> Cortisol, DHEA, Progesterone, Testosterone, Estradiol
O300 Individual Parameters	
<input type="checkbox"/> O310	Cortisol <small>Test Set 905</small>
<input type="checkbox"/> O320	DHEA <small>Test Set 905</small>
<input type="checkbox"/> O330	Progesterone <small>Test Set 905</small>
<input type="checkbox"/> O340	Estradiol <small>Test Set 905</small>
<input type="checkbox"/> O350	Testosterone <small>Test Set 905</small>
<input type="checkbox"/> O355	Estriol <small>Test Set 905</small>
<input type="checkbox"/> O360	Melatonin (Night Saliva) <small>Test Set 923</small>
! Important: Colourmarked parameters may not be cooled!	

1st MU = First Morning Urine, 2nd MU = Second Morning Urine, Citrat = Citrate Blood 1:10, CPDA/ACDB = Citrate Transport Med., CP = Citrate Plasma, CPg = Frozen Citrate Plasma, EDTA = EDTA-Whole-Blood, EDTA-Pl. = EDTA-Plasma, EXP = Sample Pick-up or Express Shipment required, Fe = Stool, HCY = Special Vial Homocysteine, Hep = Heparin Whole-Blood, Light-Protected, NaF = Sodium Fluoride Whole-Blood, ObjT = Object Slide, S = Serum, SZ = Serum, must be centrifuged (also in case of short shipping time), SpezR = Special Vial, U24 = Urine collected over a period of 24 hours, U24HCl = U24 + Hydrochloric Acid acidified, U24Ac = U24 + Acetic Acid acidified, U# = Urine, in case of professional exposure after end of shift



MEDICAL HISTORY

First Test Report Follow-Up Report

Laboratory Reference Numbers of Previous Reports:

(not older than approx. 1 year)

Patient Data:

Blood Pressure: | mm Hg

Gender: female male

Body Height: cm Weight: kg

Please always complete in case of hormone tests:

Date of Blood Sampling: / /

Last Menstruation: / /

Cycle Stadium:

- Follicle Phase
- Luteal Phase
- Ovulation Phase
- Menopause
- Post-Menopause

Complaint Pattern / Anamnesis:

Medication, Dosage, Taken since:

Diagnoses

Please mark known diseases or complaint patterns of the patient

Digestive Tract

- Colitis ulcerosa
- Diabetes mellitus
- Diverticulosis
- Fructose malabsorption
- Gastritis
- Colon carcinoma
- Crohn's disease
- Food Intolerances
- Constipation
- Pancreas Insufficiency, exocrine
- Irritable colon
- Intestinal mycosis
- Diarrhoea
- Dyspepsia
- Cholelithiasis
- Haemorrhoids
- Lactose Intolerance
- Meteorism
- Ulcus complaints
- Celiac Disease
- Celiac Disease
- Stomatitis

Respiratory Tract

- Bronchial asthma
- Rhinitis
- Tonsillitis
- Bronchitis
- Sinusitis

Skin/Hair

- Acne
- Furuncles
- Psoriasis
- Urticaria
- Eczema
- Loss of hair
- Dry skin
- Cellulitis

Cardiovascular System

- Angina pectoris
- High blood-pressure
- Lipid metabolic disorder
- Arteriosclerosis
- Cardiac insufficiency

Urogenital Tract

- Cystitis
- Prostatic hypertrophy
- Infection of the urinal tract
- Vaginal mycosis

Allergies

- Food allergies
- Neurodermatitis
- Pollinosis

Psyche/Nervous System

- Depression
- Anxiety
- Hyperactivity (ADS)
- Fatigue
- Polyneuropathy
- Headaches
- Insomnia

Hormonal Dysfunction

- Menopause
- Premenstrual complaints
- Hypothyroidism
- Hyperthyroidism

Musculoskeletal System

- Athrosis
- Bechterew's disease
- Osteoporosis
- Rheumatoid arthritis

Declaration of Consent for Genetic Analysis (Gene Diagnostics Law)

<p>Patient</p> <hr/> <p>Name, First Name</p> <hr/> <p>Date of Birth: <input type="text"/> / <input type="text"/> / <input type="text"/></p>	<p style="text-align: center;">Stamp Hosp. / Surgery</p> <hr/> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%; border: none;">Date</td> <td style="width: 30%; border: none;">Doctor's Name</td> <td style="width: 40%; border: none;">Signature</td> </tr> </table>	Date	Doctor's Name	Signature
Date	Doctor's Name	Signature		
<p>My physician informed me about relevance and scope of the respective diagnostics, especially about purpose, type and extent, validity and consequences of the diagnostic test. yes <input type="checkbox"/> no <input type="checkbox"/></p> <hr/> <p>I agree having required sample material taken. yes <input type="checkbox"/> no <input type="checkbox"/></p> <hr/> <p>I was given sufficient time before agreeing to the above mentioned analysis and I have the right to revoke my Declaration of Consent in written form at any time. yes <input type="checkbox"/> no <input type="checkbox"/></p> <hr/> <p>I agree that remaining sample material can be kept for later verification, additional requests by my doctor and for scientific purposes (i.e. method development) until revoked. yes <input type="checkbox"/> no <input type="checkbox"/></p> <hr/> <p>The analysis request may be forwarded to a specialized medical co-operation laboratory. yes <input type="checkbox"/> no <input type="checkbox"/></p> <hr/> <p>The analysis results may be kept beyond the specified period of 10 years. yes <input type="checkbox"/> no <input type="checkbox"/></p>				
<p>_____</p> <p>Place and Date</p>	<p>_____</p> <p>Signature</p>			

Patient Statement:

I herewith agree with the requested tests. I have been informed about the costs.

I agree to provide personally identifiable information (name, address, payer, insurance number, date of birth and gender, if applicable, body height and weight, history and medication), if required for any requested analysis. (Regulation (EU) 2016/679 Art. 6 (1) (b)). I give this consent voluntarily and can revoke it at any time with immediate effect for the future informally without giving any reason. This is what my doctor has explained to me.

Place and Date

Signature/Legal Representative

