

Please use block letters!

Patient details

☐ male ☐ female Date of Birth: _____

First name _____

Family name _____

Street and house number _____

Postal code and city _____

Country _____



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REQUEST FORM

A14s-1-EN
Gastrointestinal Microbiology

Barcode or Practice Stamp

PLEASE PRINT OR USE ADDRESS LABEL!
DO NOT USE ANY PAPER CLIPS, STAPLES OR STICKERS !

Important Notice:
Please pack the stool tube with the request form separately in the shipping bag for stool samples!

Diagnostic Test Directory

- I. Molecular Genetic Stool Diagnostics
- II. Classical Stool Analysis Via Cultivation
- III. Gastroenterological Diagnostics
- IV. Metabolome Diagnostics
- V. Vaginal Diagnostics
- VI. Infection Diagnostics

For Individual Requests:

I. Molecular-Genetic Stool Analyses

Compact, Practice-Oriented Microbiome Analyses

Evaluation of findings and therapy recommendations are included

☐ **A713A Microbiome Mini** OS, Fe
(Bacteriome + mycobiome) Diversity, phyla distribution, enterotype, relevant bacteria (e.g. F. prausnitzii, A. muciniphila) and 7 facultative pathogenic yeasts. Functional groups (besides butyrate-, equol-, histamine- and H2S-formation etc., synthesis of secondary bile acids, estrobolome, TMA metabolism, phenol, indole and ammonia are considered further on.

☐ **A713B Microbiome Midi** OS, Fe
(Bacteriome + mycobiome + parasites) Microbiome Mini includes 7 facultative pathogenic yeasts and common single-celled parasites. Examination of important functional groups (see above)

☐ **A712BW Microbiome Midi Plus** OS, Fe
(Bacteriome + mycobiome + parasites + worms and microsporidia) Microbiome Mini includes 7 facultative pathogenic yeasts, common single-celled parasites as well as worms and microsporidia. Examination of important functional groups (see above)

Large Microbiome Analyses

☐ **A713C Microbiome Maxi** OS, Fe
(Bacteriome + mycobiome + parasites) Microbiome Mini including additional bacterial genera and species, 7 facultative pathogenic yeasts and all common parasites, as well as functional groups (see above)

☐ **A713CW Microbiome Maxi Plus** OS, Fe
(Large bacteriome + mycobiome + single-celled parasites + worms and microsporidia) Microbiome Maxi with human pathogenic worms and microsporidia

☐ **A713OM Microbolome 1.0** NEW OS, Fe, OM
Microbiome Maxi + 20 metabolites!
Metabolome in stool: irritable bowel syndrome-related metabolites: histamine, tryptophan, serotonin, GABA; amino acid precursors (4), toxins (4), AhR agonists (7), bile acids (6), various ratios and scores.

☐ **A178B Blastocystis Subsequent Differentiation**
pathogenic and apathogenic subtypes upon detection.

PLUS - Complementary Parameters

☐ **A750 Maldigestion, Malabsorption, Mucosa Immune System** 2Fe
Digestive residues, pancreatic elastase, bile acids, α -1-antitrypsin, calprotectin, slgA

☐ **A501 Leaky Gut** Fe, T909
Zonulin, histamine

Further Molecular Genetic Profiles

☐ **A171 Mucin-/Butyrate Formation Profile** OS
Faecalibac, prausnitzii, Akkermansia muciniphila

☐ **A121 Mycobiome: Relevant Yeasts** OS
(including pathogen quantification)
C. albicans, C. tropicalis, C. glabrata, C. parapsilosis, C. dubliniensis, C. krusei, C. lusitanae

☐ **A121N Yeast Control Measurement** OS
☐ C. albicans
☐ C. tropicalis
☐ C. glabrata
☐ C. parapsilosis
☐ C. dubliniensis
☐ C. krusei
☐ C. lusitanae

☐ **A169 Worms, Microsporidia** OS
Tapeworms, roundworms, pinworms (oxyurs), hookworms, New World hookworm, dwarf tapeworms, whipworms, dwarf threadworms, Enterocytozoon spp. / Encephalitozoon spp.

II Classical Stool Analysis Via Cultivation

Profiles

☐ **A110 Microbiological Flora Status** Fe
Detection through cultivation of aerobic and anaerobic bacteria and yeasts.

☐ **A111 Florastatus Plus** OS, Fe
Florastatus + F. prausnitzii, Akkermansia muciniphila

☐ **A120 Mycological Flora Status** Fe
in case of yeast detection, biochem. diff.

☐ **A125 D-Arabinitol in Urine** T928
☐ **A130 Basic Profile Intestinal Tract** 2Fe
Flora status, digestive residues, pancreatic elastase, bile acids, α -1-antitrypsin, calprotectin, slgA

☐ **A131 Basic Profile Intestinal Tract Plus** OS, 2Fe
Basic Profile Intestinal Tract + F. prausnitzii, Akkermansia muciniphila

☐ **A020 Basic Profile Stress** 2Fe, T909
Basic Profile Intestinal Tract + Zonulin, Histamine

Diarrhea-causing Pathogens

☐ **A140 Bacterial Enteritis Pathogens** Fe
Salmonella, Shigella, Campylobacter, Yersinia, Cl. difficile GDH

☐ **A141 Intestinal Pathogens and Toxins PCR** NEW OS
Campylobacter spp., C. difficile toxin A/B, E. coli O157, Salmonella spp., Shigella spp., EIEC, EHEC, Y. enterocolitica

☐ **A179 Viral Enteritis Pathogens Profile, PCR** OS
Norovirus GI + GII, Rotavirus, Adenovirus, Astrovirus, Sapovirus

☐ **A178 Parasites Profile, PCR** OS
(6 parameters) Giardia lamblia, Entamoeba histolytica, Cryptosporidium spp., Cyclospora cayetanensis, Blastocystis hominis, Dientamoeba fragilis

☐ **A178C Blastocystis Subtypes Single Request** OS
Differentiation of pathogenic and apathogenic subtypes

☐ **A178N Parasites Control Measurement** OS
☐ Giardia lamblia
☐ Entamoeba histolytica
☐ Cryptosporidium spp.
☐ Cyclospora cayetanensis
☐ Blastocystis hominis
☐ Dientamoeba fragilis

☐ **A170N Worms, Worm Eggs** 3x Fe

☐ **A440 EHEC** Fe

☐ **A450 Cl. difficile GDH Toxin A, Toxin B Profile** Fe

Supplementary Functional Stool Parameters

Profiles

☐ **A180 Digestive Residues** Fe
Quantitative proof of fat, nitrogen, sugar, water

☐ **A190 Maldigestion: Pancreatic elastase, bile acids** Fe

☐ **A200 Malabsorption: α -1-AT, Calprotectin** Fe

☐ **A390 Immunity of the Mucous Membranes: slgA** Fe

☐ **A400 Colonisation Resistance: β -Defensin** Fe

Single Parameters

☐ **A310 Haemoglobin** T910

☐ **A330 Calprotectin** Fe

☐ **A340 α -1-Antitrypsin** Fe

☐ **A350 Lactoferrin** Fe

☐ **A360 Lysozyme** Fe

☐ **A370 PMN-Elastase** Fe

☐ **A380 Pancreatic Elastase** Fe

☐ **A420 EPX** Fe



A 1 4 s - 1 - E N - 1

Early Detection of Colorectal Carcinomas

<input type="checkbox"/> H205	ColoAlert A sensitive test for the early recognition of colorectal cancer in stool based on the detection of occult blood, the amount of human DNA and existing oncogenic mutations in the KRAS and BRAF genes.	T920
<input type="checkbox"/> A210	Calprotectin, Haemoglobin	Fe, T910
<input type="checkbox"/> A320	Haemoglobin/Haptoglobin	T910
<input type="checkbox"/> A430	M2PK in Stool	Fe

Intestinal Permeability

<input type="checkbox"/> A500	Zonulin	Fe
<input type="checkbox"/> A550	Zonulin in Serum	S
<input type="checkbox"/> A505	I-FABP	S

III. Gastroenterological Diagnostics

Sugar Intolerances

<input type="checkbox"/> B110	Lactose Breath Test H2 and methane	T901
<input type="checkbox"/> B140	Lactose Intolerance Gene Test (Mutation in the LCT gene)	EDTA
<input type="checkbox"/> B900	Bacterial Cleavage Activity of Fructose and Sorbitol in Stool (Often increased in connection with intolerances)	Fe
<input type="checkbox"/> B120	Fructose Breath Test H2 and methane	T900
<input type="checkbox"/> B150	Fructose Intolerance Gene Test	EDTA
<input type="checkbox"/> B130	Sorbitol Breath Test H2 and methane	T902
<input type="checkbox"/> B135	Fructose-Sorbitol-Combination Breath Test H2 and methane	T917
<input type="checkbox"/> B105	SIBO (Bacterial Overgrowth Syndrome) Breath test for the detection of small intestine miscolonization	T929

Gluten Intolerance

<input type="checkbox"/> A480	Gliadin and Transglutaminase AB (TG2) in Stool	Fe
<input type="checkbox"/> B170	Gliadin and Transglutaminase AB (TG2) in Serum	S
<input type="checkbox"/> B180	Anti-WGA IgG (wheat germ agglutinin)	S
<input type="checkbox"/> B190	Genetic Disposition Coeliac Disease: HLA-DQ2 / DQ8	EDTA

Special Indications: Skin and CNS

<input type="checkbox"/> B174	Transglutaminase 3 Antibodies IgA Autoimmune diseases of the skin, e.g. dermatitis herpetiformis duhring	S
<input type="checkbox"/> B176	Transglutaminase 6 Antibodies IgA and IgG Transglutaminase of the CNS, e.g. in gluten ataxia	S

Histamine Intolerance

<input type="checkbox"/> C385	Histamine Degradation Capacity	S
<input type="checkbox"/> C390	Diaminoxidase (DAO) (Detection of reactions to biogenic amines)	S
<input type="checkbox"/> C395	Co-Factors of DAO Small blood count, vit. B6, Cu + Zn in WB	EDTA, Hep
<input type="checkbox"/> A410	Histamine in Stool	T909
<input type="checkbox"/> A112	Histamine Producing Bacteria	Fe
<input type="checkbox"/> C410	Methylhistamine in Urine	T928
<input type="checkbox"/> C415	Histamine in Urine	T928

Can be usefully supplemented by tests for genetic histamine intolerance (H420, H425, H430, see GEN-14 form).

Stomach Diagnostics

<input type="checkbox"/> B220	Helicobacter pylori Ag in Stool	Fe
<input type="checkbox"/> B210	Helicobacter pylori Pathogenicity Factors	S
<input type="checkbox"/> B230	Pepsinogen 1 (Anacidity, hypoacidity)	S

Intestinal Diagnostics

<input type="checkbox"/> B250	Crohn's Disease: p-ASCA-AB	S
<input type="checkbox"/> B260	Colitis Ulcerosa: x-ANCA	S
<input type="checkbox"/> B270	Indican and Skatole in Urine	2.MU

IV. Metabolome Diagnostics

Metabolome In Stool

<input type="checkbox"/> A650	Fatty Acids Butyrate, acetate, propionate, iso fatty acids	Fe
<input type="checkbox"/> A660	β-Glucuronidase Regulation of the reabsorption of hormones, phytoestrogens, toxins, drugs or carcinogenic substances	Fe
<input type="checkbox"/> A410	Histamine in Stool	T909
<input type="checkbox"/> A672	Irritable Bowel-Related Metabolites NEW 4 Metabolites: histamine, tryptophan, GABA *Common causes of irritable bowel syndrome: histamine excess, lack of tryptophan, serotonin, and/or GABA.	
<input type="checkbox"/> A640	Metabolome in Stool NEW 20 Metabolites: irritable bowel syndrome-related metabolites (histamine, tryptophan, serotonin, GABA) amino acid precursors (3), toxins (4), AhR agonists (7), bile acids (6), various ratios and scores.	

Metabolome In Urine

<input type="checkbox"/> A675	TMA and TMAO Formation TMAO: bacterial causes of cardiovascular diseases, including consideration of the starting substances: choline, betaine and L-carnitine <i>(do not eat seafood/fish 2 days before sampling !!)</i>	T928
<input type="checkbox"/> A685	Tryptophan-Metabolism Plus Comprehensive analysis of the TRP metabolism: Serotonin formation, kynurenine pathway with kynurenine, kynurenic acid, 3OH-kynurenine, quinolinic acid, IDO activity, KMO activity. Additionally: Neopterin (screening for IFN-γ mediated TH1 activation)	T928
<input type="checkbox"/> A681	Bacterial Uremic Metabolites Hippuric acid, HPPHA, indole-3-acetic acid, indoxyl sulfate, p-cresol sulfate, phenylacetylglutamine, tryptamine	T928

V. Vaginal Diagnostics



<input type="checkbox"/> V712	Vaginal Microbiome Diversity, vagitype, dominant lactobacilli flora, H2O2, lactic acid formation, accompanying anaerobic flora, bacterial vaginosis associated bacteria + Candida incl. interpretation of findings and therapy recommendation	T921
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VI. Infection Diagnostics

Diagnostics for:

- Borreliosis
- EBV
- Ehrlichiosis, Tick-Born Encephalitis/TBE
- tick-borne co-infections

Serological Pathogen Testing:

- Virus-Serology
- Bacterial Serology
- Candida-Serology

Please see request form A14, chapter VI

Bacteria Analyses

<input type="checkbox"/> K430	Swab, other/miscellaneous:	Swab
.....		
Diarrhea-causing pathogens (Please see A140, A178, A179, A440, A450)		
<input type="checkbox"/> K440	Urine Culture	U green

Aromatograms

<input type="checkbox"/> K362	Vaginal Swab (Please see separate request form)	T911
<input type="checkbox"/> K366	Vaginal Swab including Aromatogram (Please see separate request form)	T911
<input type="checkbox"/> K381	Bacteria and Fungi in Urine	U green
<input type="checkbox"/> K386	Bacteria and Fungi in Urine including Aromatogram	U green
<input type="checkbox"/> K391	Bacteria and Fungi in Throat and Nose Swabs	Swab
<input type="checkbox"/> K395	Bacteria and Fungi in Throat and Nose Swabs including Aromatogram	Swab
<input type="checkbox"/> K400	Bacteria and Fungi in Superficial Wound Swabs	2x Swab
<input type="checkbox"/> K405	Bacteria and Fungi in Superficial Wound Swabs including Aromatogram	2x Swab





For additional investigations, please refer to the following request forms:

A14

Includes all blood, urine and saliva tests:
Orthomolecular and mitochondrial medicine
Allergies and intolerances
Neurological stress and endocrinology
Saliva tests
Immunology and haematology
Infection diagnostics
Clinical chemistry
Detoxification / toxicology

A14T-BS

Test Set Request

This form is included with the test sets. Please use the provided form and avoid duplicate requests.

EBS-2

Evidence-Based Strategies for Common Diseases and Health Conditions

Comprises diagnostic profiles specifically compiled for various medical conditions, such as acne, burnout, chronic fatigue syndrome (CFS), depression, migraines, or irritable bowel syndrome (IBS). Additionally, it lists differential diagnostic and advanced parameters or profiles. The profiles are evidence-based, elucidate causes, describe consequences for the organism, and provide reliable approaches for individualized therapy.

GEN-14

Genetics

Includes clinically relevant gene combinations, epigenetic profiles, genetic profiles related to various health issues (such as histamine intolerance, inflammation, depression, vitamins, pharmacogenetics, cardiovascular health, osteoporosis, coagulation, etc.), and various individual analyses.

TM-14

Telemedicine

A minimally invasive option for patients who cannot visit the practice.



MEDICAL HISTORY

Patient Data:

Blood Pressure: | mm Hg

Body Height: cm Weight: kg

Diagnoses

Please mark known diseases or complaint patterns of the patient

Digestive Tract

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

Respiratory Tract

- | | |
|---|-------------------------------------|
| <input type="checkbox"/> Bronchial asthma | <input type="checkbox"/> Bronchitis |
| <input type="checkbox"/> Rhinitis | <input type="checkbox"/> Sinusitis |
| <input type="checkbox"/> Tonsillitis | |

Skin/Hair

- | | |
|------------------------------------|---------------------------------------|
| <input type="checkbox"/> Acne | <input type="checkbox"/> Eczema |
| <input type="checkbox"/> Furuncles | <input type="checkbox"/> Loss of hair |
| <input type="checkbox"/> Psoriasis | <input type="checkbox"/> Dry skin |
| <input type="checkbox"/> Urticaria | <input type="checkbox"/> Cellulitis |

Cardiovascular System

- | | |
|---|--|
| <input type="checkbox"/> Angina pectoris | <input type="checkbox"/> Arteriosclerosis |
| <input type="checkbox"/> High blood-pressure | <input type="checkbox"/> Cardiac insufficiency |
| <input type="checkbox"/> Lipid metabolic disorder | |

Urogenital Tract

- | | |
|--|---|
| <input type="checkbox"/> Cystitis | <input type="checkbox"/> Urinal Tract Infection |
| <input type="checkbox"/> Prostatic hypertrophy | <input type="checkbox"/> Vaginal mycosis |

Allergies

- | | |
|--|-------------------------------------|
| <input type="checkbox"/> Food allergies | <input type="checkbox"/> Pollinosis |
| <input type="checkbox"/> Neurodermatitis | |

Psyche/Nervous System

- | | |
|--|---|
| <input type="checkbox"/> Depression | <input type="checkbox"/> Polyneuropathy |
| <input type="checkbox"/> Anxiety | <input type="checkbox"/> Headaches |
| <input type="checkbox"/> Hyperactivity (ADS) | <input type="checkbox"/> Insomnia |
| <input type="checkbox"/> Fatigue | |

Hormonal Dysfunction

- | | |
|--|--|
| <input type="checkbox"/> Menopause | <input type="checkbox"/> Hypothyroidism |
| <input type="checkbox"/> Premenstrual complaints | <input type="checkbox"/> Hyperthyroidism |

Musculoskeletal System

- | | |
|--|---|
| <input type="checkbox"/> Athrosis | <input type="checkbox"/> Osteoporosis |
| <input type="checkbox"/> Bechterew's disease | <input type="checkbox"/> Rheumatoid arthritis |

Medication, Dosage, Taken since:

Complaint Pattern / Anamnesis:

Declaration of Consent for Genetic Analysis

(Gene Diagnostics Law §7 medical reservation)

Must be completed in full, otherwise diagnostics cannot be performed!

To be filled by the doctor:

• First name of the patient

• Family name of the patient

• Date of birth of the patient

• Date

• Name of the doctor

• Signature of the doctor

Stamp Hosp. / Surgery

My physician has informed me about the relevance and scope of the reselective diagnostic tests, in particular about their purpose, nature, extent, significance and consequences.

yes ☐ no ☐

I have given my consent to the collection of required sample material.

yes ☐ no ☐

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 ☐ no ☐

I agree that the remaining sample material can be kept for later verification, additional requests by my physician or for scientific purposes (i.e. method development) until revoked.

yes ☐ no ☐

The requested analysis can be forwarded to a specialized medical cooperation laboratory.

yes ☐ no ☐

The test results might be saved for a longer time than the specified 10 years period.

yes ☐ no ☐

• Place and Date

• Signature/Legal Representative

Patient Declaration

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

Material Legend:

Blood

- S = Serum
EDTA = EDTA Whole-Blood
Hep = Heparin Whole-Blood

Urine Diagnostics

- U green = Midstream Urine, green UM*
2.MU = Second Morning Urine, yellow UM*

Other Materials

- Fe = Stool
OS = OmicSnap
OM = OmicSnap Meta
Swab = Smear (Cotton Swab)
T + Nr. = Special Test Set, depends on requirements
🔗 = Genetic Consent required §7 medical reservation

