

Name : _____ M/F _____ Petitioner (stamp): _____
 Address : _____ Address : _____
 Zipcode : _____ Resid./Country: _____ Zipcode : _____
 DOB : _____ Tel.: _____ Resid./Country : _____
 E-mail address: _____ E-mail address: _____

Medication/suppletion: _____ Date of collection: _____
 Stopped? When: Fasting?
 Interpretation, clin. data: _____ Shipping date: _____
 24 h Volume: _____ ml

Hereby I order the ELN/H.D.R.I. to perform the marked tests. Bill to : patient doctor / therapist

In case the bill goes to the patient:

Creditcard Master / Euro Card Visa American Express

Nr. _____ Exp. date _____ CVC (see backside card) _____

Name cardholder (printed letters) _____

Signature patiënt : _____ Date : _____

Panels#

- Elements in blood I (1R,1G,1p)
- Elements in blood II (1R,2G,1p)
- Elements in blood III (1R,2G,1p)
- Elements in urine (24U (preference) or U)
- Elements in hair I (H)
- Elements in hair II (H)
- Vitamin panel 8 (2R, 1P)
- Vitamin panel 12 (2R,1P)
- Vitamin panel 16 (3R, 1P)
- Methylation panel (3P; !)
- Sulphur metabolites (U)
- Neurotransmitters (U)
- Toxic-panel in blood (P)
- Toxic-panel in urine (U or 24U)

Elements in blood (G)

- Sodium
- Potassium
- Calcium
- Magnesium
- Copper
- Zinc
- Selenium
- Cobalt
- Chromium
- Manganese
- Molybdenum
- Nickel
- Lithium (amm. hep. tubel)
- Aluminium
- Arsenic
- Cadmium
- Mercury (total)
- Lead

Elements in serum (R)

- Sodium
- Potassium
- Calcium
- Magnesium
- Copper
- Zinc
- Selenium
- Lithium
- Sulphur (SO₄-tot.)
- Sulphur (SO₄-free)
- Sulphite (SO₃)

Intracellular elements (R,G,P)

- Sodium
- Potassium
- Calcium (i.c. 1G extra)
- Magnesium
- Copper
- Zinc
- Chromium
- Manganese
- Vanadium

Vitamins#

- Carotene-tot. (R)
- Vitamin A (R)
- Vitamin B1 (P)
- Vitamin B2 (P)
- Vitamin B3 (P)
- Vitamin B5 (P)
- Vitamin B6 (R)
- Biotin (B7) (P)
- Folic-acid (R)
- Vitamin B12 (R)
- Vitamin C (R; !)
- Vitamin D₃ (25OH) (R)
- Vitamin E (R)
- Vitamin K1 (R)
- Folic-acid (erythrocyt) (R+P)

Co-factors (R)

- Carnitine (tot.-free- acyl / tot.)
- Coenzyme Q10
- Lipoic acid
- Inositol
- Choline (total)
- Biopterin
- Glutathione-tot. (!)
- Glutathione ox./red. (!)
- Glutathione-S-transferase (G)

Neurotransmitters

- Acetylcholine (P)
- Dopamine (P; !)
- Epinephrine (P; !)
- Metanephrine
- Norepinephrine (P; !)
- Normetanephrine
- Serotonin (P; !)
- Histamin (G)
- GABA (G)
- Tyramine

- Panel I #
- Panel II #
- Panel III #

Hematology (P)

- Hematology + diff. #
- HbA1c (1p extra)
- ESR (!)

Clinical Chemistry (R)

- Basic panel#
- Glucose
- Protein (total)
- Albumin
- Urea
- Uric-acid
- Creatinine
- Bilirubin (total + direct)
- Calcium
- Phosphate
- Chloride
- Alk. phosphatase (AF)
- Amylase
- γ-GT (GGT)
- ALAT (SGTP)
- ASAT (SGOT)
- LDH
- Creatine kinase (CK)
- Homocysteine
- α-1 antitrypsin
- CRP-HS
- Cholesterol-tot.
- HDL-cholest.
- LDL-cholest (+ HDL / tot.)
- Cholest. / HDL ratio
- Triglyceride
- Oxidized LDL
- Lipoprotein A
- Apo-lipoprotein A1
- Apo-lipoprotein B
- Iron
- Ferritin
- TYBC
- Transferrin
- Fe-satur. (+ TBVC / iron)

Endocrinology (R)

- Growthhormone
- Pregnenolone (sulfate)
- Aldosterone
- Cortisol _____ hour
- Cortisol (daycurve: 9 +16 h.)
- Transcortin
- Free Cortisol (+ cort. / transcort.)
- DHEA (-sulfate)
- Osteocalcin
- PTH
- Calcitonin
- Insulin
- C-peptide
- IGF-1
- IGF-BP3
- T3
- Free T3
- T4
- Free T4
- TSH
- Anti TPO
- Anti TG
- TSH receptor as (TSI)
- Prolactin
- FSH
- LH
- Progesterone
- 17β-Estradiol
- Estriol
- SHBG
- Testosterone
- Free testost. (+ test. / SHBG)
- Dihydrotestosterone
- Androstane diol (glucuronide)

Peptide hormones (K; !)

- α-MSH
- β-MSH
- γ-MSH
- β-Endorphin
- Oxytocin
- Vasopressin
- Angiotensin II
- ACTH (corticotropin)

Immunology (R)

- ANF / ANA
- anti-DNA
- ENA
- ANCA
- AST (ASLO)
- Anti-CCP
- MBL
- HLA-B27 (P)
- Imm. compl. (C1q / C3)
- RA-33
- IL-6
- ANF / ANA
- IgE (total)
- IgE/G₄ food panel
- IgE inhalent panel

Allergy (2R)

- IgE (total)
- IgE/G₄ food panel
- IgE inhalent panel
- Metals (basic) #
- Metals (extended) #
- Borrelia (lyme)

Miscellaneous

- MDA# (R)
- Amino-acids (G; !)
- Ess. Fatty acids (G)
- SAM/SAH# (P; !)
- Nitrotyrosine (P; !)
- NO (nitric oxide) (R)
- Nagalase (P; !)
- HIP-pannel# (2R)
- Carotenoiden-pannel# (R)
- Beta-Amyloidpeptide1-40 (R)
- Beta-Amyloidpeptide1-42 (R)

(Load-) Tests

- DMPS test-Hg (K)
- DMPS test-Hg+Cd+Pb (K)
- Iodine-load (K)
- Mercury-saliva (S; K)
- Cortisol-curve # (S; K)
- Intest. permeability (!)
- HOMA# (glucose + insulin)

Urine

- Sodium
- Potassium
- Calcium
- Magnesium
- Copper
- Zinc
- Selenium
- Iron
- Chromium
- Cadmium
- Lead
- Mercury
- Iodine (1U extra)
- Bromine (1U extra)
- Sulphur (SO₄-tot.)
- Sulphur (SO₄-free)
- Amino-acids (U)
- Amino-acids (24U)
- Organic acids (U)
- Figlu (U)
- Caso- en gliamorphine
- Growth hormone (24U)
- Aldosterone (24U)
- Cortisol (24U)
- 17OH/keto Steroid.+ DHEA# (24U)
- ♀-Hormones# (24U)
- GABA (U)
- 6-sulf. Melatonin (24U)
- T3 / T4 (24U)
- Reversed-T3 (24U)

- MDA
- D-Glutaric acid
- Methylmalonic acid
- Indican
- Kryptopyrrole
- HPL (+ kryptopyrrole)
- Albumin
- Creatinine
- Albumin / Creatinine

P.T.O.:
more tests +
: explanation

Explanation codes :	<u>Enzymes</u>	<u>Tumormarkers (R)</u>	<u>Serology (R)</u>	<u>Faeces</u>	<u>Saliva</u>
G = Heparin tube, 8 ml	<input type="checkbox"/> Catalase	(G) <input type="checkbox"/> α -fetoprotein	<input type="checkbox"/> IgG	<input type="checkbox"/> Culture (basic) #	<input type="checkbox"/> ♀ -Hormones# (S; K)
p = EDTA tube 4 ml	<input type="checkbox"/> EGOT	(P) <input type="checkbox"/> CA 125	<input type="checkbox"/> IgA	<input type="checkbox"/> + parasitology	Pre-menopause (28 days)
P = EDTA tube 8 ml	<input type="checkbox"/> ETKA	(P) <input type="checkbox"/> CA 15.3	<input type="checkbox"/> IgM	<input type="checkbox"/> + virulence factors	<input type="checkbox"/> ♀ -Hormones# (S; K)
R = Cloth tube 8 ml	<input type="checkbox"/> ESOD	(G) <input type="checkbox"/> CA 19.9	<input type="checkbox"/> Borrelia IgG,M	<input type="checkbox"/> + secretory IgA	Post-menopause (1 day)
S = Saliva	<input type="checkbox"/> EGR	(P) <input type="checkbox"/> CEA	<input type="checkbox"/> Candida IgA,G,M	<input type="checkbox"/> + pancreatic-elastase	<input type="checkbox"/> ♂ -Hormones# (S; K)
H = Hair	<input type="checkbox"/> EGPx	(P) <input type="checkbox"/> PSA	<input type="checkbox"/> EBV Nucl. Ag (IgG)	<input type="checkbox"/> + calprotectin	<input type="checkbox"/>
U = Morning urine	<input type="checkbox"/> MAO	(G) <input type="checkbox"/> Free PSA	<input type="checkbox"/> EBV IgG,M	<input type="checkbox"/> + α -1 antitrypsin	<input type="checkbox"/>
24U = 24-hours urine		<input type="checkbox"/> Recoverin A (!)	<input type="checkbox"/> Herpes sim. IgG,M	<input type="checkbox"/> + β -defensin 2	<input type="checkbox"/>
K = Testkit			<input type="checkbox"/> Toxoplasma IgG,M	<input type="checkbox"/> + M2PK	<input type="checkbox"/>
			<input type="checkbox"/> Gliadin IgA	<input type="checkbox"/> + <i>Helicobacter pylori</i>	
			<input type="checkbox"/> Gliadin IgG	<input type="checkbox"/> TFT (Triple Faeces Test)	
! = Ask for the special instructions			<input type="checkbox"/> Hep. A IgG,M		
			<input type="checkbox"/> Hep. Bs-Ag / Core		
			<input type="checkbox"/> Hep. C antibodies		
			<input type="checkbox"/> Anti-transglutaminase IgA,G		

: explanation see below

Explanation:

Elements in Blood I: Sodium, potassium, calcium, magnesium, copper and zinc in whole blood and serum. Selenium in whole blood. Sodium, potassium magnesium, copper and zinc intracellular. Zinc / copper ratio intracellular. Hematology.

Elements in Blood II: Panel elements in blood I + chromium, manganese, molybdenum, vanadium, nickel, cobalt and lead in whole blood. Selenium in serum. Calcium and selenium intracellular.

Elements in Blood III: Panel elements in blood II + mercury, cadmium, arsenic and aluminium in whole blood. Lithium in serum.

Elements in Urine: Sodium, potassium, calcium, magnesium, iron, copper, zinc, selenium.

Elements in Hair I: Calcium, magnesium, copper, zinc, selenium, chromium, manganese, cadmium, lead, mercury.

Elements in Hair II: Sodium, calcium, magnesium, iron, copper, zinc, selenium, chromium, manganese, nickel, aluminium, vanadium, silver, cadmium, lead, mercury, silicium, sulphur, phosphorus.

Vitamin panel 8: carotene (pro-vitamin A), vitamin **A** (retinol), vitamin **B₃** (niacin, nicotinamide, nicotinic acid), vitamin **B₆** (pyridoxal-5-phosphate), vitamin **B₁₁** (folic acid / vitamin B₉), vitamin **B₁₂** (cobalamin), vitamin **C** (ascorbic acid), vitamin **E** (tocopherol).

Vitamin panel 12: panel 8 + vitamin **B₁** (thiamine-pyrophosphate), vitamin **B₂** (riboflavin), vitamin **B₅** (pantothenic acid), vitamin **B₇** (biotin / vitamin B₈).

Vitamin panel 16: panel 12 + vitamin **D₃** (25-hydroxy-vitamin D₃, 25-hydroxy-cholecalciferol) vitamin **K₁** (phyloquinone, phytonadione), CoQ10, Carnitine.

Methylation panel: glutathione (oxidized), glutathione (reduced), S-adenosyl-methionine (RBC), S-adenosylhomocysteine (RBC), tetrahydrofolate (THF), 5-methyl-THF, 10-formyl-THF, 5-formyl-THF, folic acid, folinic acid, folic acid (RBC), adenosine

Sulphur metaboliten in Urine: Sulphur-total, sulphate-free, sulphite, thiosulphate, thiocyanate.

Toxic-panel in Blood (plasma): Pentane, hexane, perchloorethylene, isopropyl-acetone, benzene, methylbenzene (toluene), xylene, methyl- β -naftalene, polychlorobifenyls (PCB's), difluorbenzamide.

Toxic-panel in Urine: 2,5-Hexaandione (hexane-metabolites), muconic acid (benzene-metabolites), mercapturinic acid (benzene-metabolites), *m*-methylhippuric acid (xylene-metabolites), *p*-glyoxilic acid (ethylbenzene-metabolites), dialkyl-phosphate (DAP, organofosfate-metabolites), arolein (plastic-metabolites).

Neurotransmitters in blood: **Panel I:** Dopamine, Epinephrine, Norepinephrine, Serotonin. **Panel II:** panel I + histamine. **Panel III:** panel I + Metanephrine, Nor-metanephrine.

Hematology: erythrocytes, hemoglobin, hematocrit, leucocytes, MCV, MCH, MCHC, trombocytes. **Differentiation:** Neutrophils, lymphocytes, monocytes, eosinophils, basophils.

Basicpanel (clinical chemistry): Glucose, protein (total), albumin, urea, uric acid, creatinine, bilirubin (total + direct), calcium, phosphate, alk. phosphatase (AF), γ -GT (GGT), ALAT (SGTP), ASAT (SGOT), LDH, cholesterol-total, HDL, LDL, cholesterol / HDL ratio, triglyceride, iron, iron-bindingcapacity (TBYC), iron-saturation.

MELISA (metals basic): Beryllium, cadmium, gold, phenyl-mercury, mercury (inorganic), lead, nickel, palladium, tin, titanium.

MELISA (metalen extended): Aluminium, chromium, cobalt, copper, indium, ethyl-mercury, methyl-mercury, molybdenum, platinum, silver.

MDA: malondialdehyde assay (TBARS; thiobarbituric acid reactive substances assay).

SAM/SAH: S-adenosylmethionine (erythrocyte), S-adenosylhomocysteine (erythrocyte).

Hipp-panel: Euglobulin curve, haptoglobin, orosomuroid, iron, copper, IgA, IgM, IgG.

Carotenoiden-panel: α -carotene, β -carotene, α -lycopene, β -lycopene, lutein, zeaxanthin, β -cryptoxanthin.

Cortisol-curve ("stress-test"): Cortisol in saliva; 8 hour, 11 hour, 16 hour, 23 hour. Cortisol (total), DHEA (total).

HOMA: Homeostatic Model Assessment; quantification of insulin resistance (also known as HOMA-IR). Fasting plasma sample.

17OH/keto steroid. + DHEA in urine: 17-keto steroiden, 17-OH steroiden, DHEA, Pregnaandiol, Pregnaantriol.

♀ -Hormonen in urine: 16-OH-Estron, 2-OH-Estron (E1), 4-OH-Estron, Estradiol (E2), Estriol (E3), 17-OH-Progesteron, Testosteron.

Faeces-culture (basic): pH, muscle fiber, starch, fatty soaps, aerobic / anaerobic flora (including *E. coli*, *Enterobacteria*, *Bifidobacterium* sp., *Lactobacillus* sp.), mycology culture (including *Candida* sp. *Aspergillus* sp.).

♀ -Hormones Pre-menopause (28 days), saliva: DHEA, free-testosteron + cyclus data of progesteron and estradiol.

♀ -Hormones Pre-menopause (1 dag), saliva: DHEA, Estradiol, Estriol, Estron, Progesteron, Testosteron.

♂ -Hormonen, saliva: Androstenedion, DHEA, Dihydrotestosteron, Estrone, Progesteron, Testosteron.