



INSTAND e. V.

**Society for Promoting Quality Assurance
in Medical Laboratories e. V.**

WHO Collaborating Centre for Quality Assurance and Standardization in Laboratory Medicine

Program

of External Quality Assessment Schemes in Medical Laboratories

2011

Online registration and actual edition see www.instand-ev.de

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Current fees for INSTAND QAS: net amount plus legal reduced value added tax and additional costs of shipping expenses

Please take notice of the following alteration in our program:

Because of low participation you can order the samples any time.

No. 123 Clinical chemistry - dry chemistry (Spotchem/Cobas Ready)

No. 630 ACE (Kuschak / Gerritzen)

- 2 samples; 0,5 mL serum, lyophilized - (Order of additional sets is not possible at the moment) 49,00 € /Survey
 ACE (Angiotensin-converting-enzyme)

No. 720 Allergy diagnostic (Schellenberg / Zouboulis)

- 1 set of samples: 5 x lyophilized samples à 1,0 resp. 0,5 mL serum - 110,00 € /Survey
 Four samples for determination of inhalation allergy, food allergy and insect allergy 81,00 € Add. set
 One sample for determination of total-IgE

No. 710 Amino acid analysis (Schadewaldt / Reinauer)

- 2 samples variable volumes, lyophilized respectively liquid samples - 31,00 € /Survey
 Quantitative (Plasma, P, and Urine, U): 16,00 € Add. set

Alanine	Citrulline	3-methyl-histidine	Methionine	Tryptophan
β-alanine	Cystathionine	Homocystine (U)	Ornithine	Tyrosine
alpha-aminoadipic acid	Cystine	4-hydroxy-proline	Phenylalanine	Valine
β-aminoisobutyric acid (U)	Glutamine	Isoleucine	Proline	
Arginine	Glutamic acid	allo-isoleucine (P)	Serine	
Argininosuccinic acid (U)	Glycine	Leucine	Taurine (P)	
Asparagine	Histidine	Lysine	Threonine	

Qualitative (Urine):

AADG (2-acetamido-1-L-β-aspartatamido-1,2-dideoxy-β-D-glucose)	β-mercaptolactate-cysteic-disulfide
Anserine	Ethanolamine
Argininosuccinic acid (P)	Hawkinsin
Asparagine (P,U)	1-methyl-histidine
Ne-(β-aspartyl)lysine	3-hydroxykynurenin
Carnosine	Hydroxylysine
Cysteic-homocysteic-disulfide (P,U)	Kynurenine
	Phosphoethanolamine (P,U)
	Saccharopine
	Sarcosine (P,U)
	S-sulfocysteic
	Taurine

Diagnosis (proficiency testing)

No. 620 Arteriosclerosis I (Wood / Reinauer)

- 2 samples plasma or serum à 3 mL - 37,00 € /Survey
 Vit. B12 Folic acid Homocystein 20,00 € Add. set
 Pyridoxal-5-phosphate (vitamin B6)

No. 251 Autoimmune diseases I (Seelig / Blüthner)

- 2 samples, serum, Serum à 0,3 mL - 41,00 € /Survey
 Antinuclear antibodies ANA anti-DNA antibodies 20,00 € Add. set

No. 253 Autoimmune diseases II (Seelig / Blüthner)

- 2 samples, serum, Serum à 0,3 mL - 41,00 € /Survey
 Antibodies against Mitochondria Microsomes (LKM 1) Smooth muscles 20,00 € Add. set
 Actin Parietal cells (H+/K+-ATPase)

No. 255 Autoimmune diseases III (Seelig / Blüthner)

- 2 samples, serum, Serum à 0,3 mL - 41,00 € /Survey
 20,00 € Add. set
 Antibodies against
 Scl70 / Topoisomerase I PM/Scl U1-snRNP (70k-, A-, C-proteins) Jo1 / Histidyl-tRNA-Synthetase
 Sm (B'B-, D-proteins) SSB/La SSA/Ro (52kD-/ 60kD-proteins)

No. 257 Autoimmune diseases IV (Seelig / Blüthner)

- 2 samples, serum, Serum à 0,3 mL - 41,00 € /Survey
 Antibodies against neutrophilic granulocytes (cANCA/pANCA) PR3-ANCA (proteinase 3) 20,00 € Add. set
 MPO-ANCA (myeloperoxidase) Glomerular basement membrane antigens

No. 259	Autoimmune diseases V	(Seelig / Blüthner)
- 2 samples, serum, Serum à 0,3 mL -		
Antibodies against spine cells desmosomes/ICSA	epidermal basement membrane desmogleine 1/3	hemidesmosomal antigens BPAg 1/2 collagen type VII
		41,00 € /Survey 20,00 € Add. set
No. 261	Autoimmune diseases VI	(Seelig / Blüthner)
- 6 samples, serum, Serum à 0,3 mL -		
Antibodies against Tyrosine phosphatase (IA2A)	Islet cell antibodies (ICA) Glutamic acid decarboxylase (GAD) Insulin (IAA)	
		98,00 € /Survey 50,00 € Add. set
No. 263	Autoimmune diseases VII	(Seelig / Blüthner)
- 2 samples, serum, Serum à 0,3 mL -		
Antibodies against Adrenal cortex	p450c21-hydroxylase	p450c17-hydroxylase p450scc-hydroxylase
		41,00 € /Survey 20,00 € Add. set
No. 265	Autoimmune diseases VIII	(Seelig / Blüthner)
- 2 samples, serum, Serum à 0,3 mL -		
Antibodies against onconeural antigens Ri/Nova 1 Ma-1	Neuronuclear antibodies (CDR62/Yo) Purkinje cells Ma-2/Ta	Hu-D Amphiphysine I
		41,00 € /Survey 20,00 € Add. set
No. 267	Autoimmune diseases IX	(Seelig / Blüthner)
- 2 samples, serum, Serum à 0,3 mL -		
Antibodies against gangliosides	myelin associated glycoprotein (MAG)	
		41,00 € /Survey 20,00 € Add. set
No. 269	Autoimmune diseases X	(Seelig / Blüthner)
- 2 samples, serum, Serum à 0,3 mL -		
Myasthenia gravis		
Antibodies against acetylcholine receptor	striated muscle	titin
		41,00 € /Survey 20,00 € Add. set
No. 271	Autoimmune diseases XI	(Seelig / Stern / Blüthner)
- 2 samples, serum, Serum à 0,3 mL -		
Antibodies against gliadin, endomysium (anti-endomysium-IgA) and tissue transglutaminase		
		41,00 € /Survey 20,00 € Add. set
No. 273	Autoimmune diseases XII	(Seelig / Blüthner)
- 2 samples, serum, Serum à 0,3 mL -		
Antibodies against cyclic citrullinated peptide (CCP) Rheumatoid factor		
		41,00 € /Survey 20,00 € Add. set
No. 275	Autoimmune diseases XIII	(Seelig / Blüthner / Spannagl)
- 2 samples, serum, Serum à 0,3 mL -		
Antibodies against cardiolipin IgG, cardiolipin IgM, beta2-glycoprotein IgG, beta2-glycoprotein IgM		
		41,00 € /Survey 20,00 € Add. set
No. 532	Bacterial genome detection - Bordetella pertussis	(Reischl / Schneider / Wolf)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		
		133,00 € /Survey 123,00 € Add. set
No. 535	Bacterial genome detection - Borrelia burgdorferi	(Reischl / Schneider / Wolf)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		
		133,00 € /Survey 123,00 € Add. set

No. 540	Bacterial genome detection - Chlamydia pneumoniae	(Reischl / Maaß)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 531	Bacterial genome detection - Chlamydia trachomatis	(Reischl / Straube)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 542	Bacterial genome detection - Coxiella burnetii	(Reischl / Frangoulidis)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 530	Bacterial genome detection - Chlamydia trachomatis & Neisseria gonorrhoeae	(Reischl / Straube)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		148,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 534	Bacterial genome detection - EHEC / STEC	(Reischl / Schneider / Wolf)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 543	Bacterial genome detection - Francisella tularensis	(Reischl / Splettstößer)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 533	Bacterial genome detection - Helicobacter pylori	(Reischl / Schneider / Wolf)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 536	Bacterial genome detection - Legionella pneumophila	(Reischl / Schneider / Wolf)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 538	Bacterial genome detection - Listeria ssp.	(Reischl / Schneider / Wolf)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 539	Bacterial genome detection - MRSA resp. cMRSA	(Reischl / Schneider / Wolf)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 541	Bacterial genome detection - Mycoplasma pneumoniae	(Reischl / Schneider / Jacobs)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set
No. 537	Bacterial genome detection - Salmonella enterica	(Reischl / Schneider / Wolf)
- 1 set = 4 samples à 0,3 mL, lyophil. samples -		133,00 € /Survey
Polymerase Chain Reaction (PCR) and other procedures for detection of specific DNA		123,00 € Add. set

No. 411	Bacteriology B	(Suerbaum / Ziesing)
- 3 samples (dried) -		60,00 € /Survey
Bacterial identification and susceptibility tests (3 cultures)		34,00 € Add. set
<u>A letter will only be sent in advance should the panel of antibiotics to be tested be changed:</u>		
Trimethoprim/Sulfamethoxazol (1,25 µg/23,75 µg)	Ampicillin (10 µg)	Oxacillin (5 µg) Ciprofloxacin (5 µg)
Tetracyclin (30 µg) Cefazolin (30 µg)	Gentamicin (10 µg)	Penicillin G 10 I.E. (6 µg)
No. 412	Bacteriology A	(Suerbaum / Ziesing)
- 5 samples (lyophilized) -		80,00 € /Survey
Bacterial identification and susceptibility tests (5 cultures)		46,00 € Add. set
<u>A letter will only be sent in advance should the panel of antibiotics to be tested be changed:</u>		
Trimethoprim/Sulfamethoxazol (1,25 µg/23,75 µg)	Ampicillin (10 µg)	Piperacillin (30 µg) Ciprofloxacin (5 µg)
Tetracyclin (30 µg) Cefazolin (30 µg)	Ceftazidim (10 µg)	Gentamicin (10 µg)
No. 317	Infection serology - Bordetella pertussis antibodies	(Hunfeld / Brade)
- 2 samples à 200 µL, serum - (Order of additional sets is not possible!)		54,00 € /Survey
Antibodies against Bordetella pertussis		
No. 332	Infection serology - Borrelia burgdorferi antibodies	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		54,00 € /Survey
Antibodies against borrelia		
No. 319	Infection serology - Campylobacter antibodies	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		49,00 € /Survey
Antibodies against campylobacter		
No. 314	Infection serology - Chlamydia (Chlamydophila) pneumoniae antibodies	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		54,00 € /Survey
Antibodies against Chlamydia pneumoniae		
No. 312	Infection serology - Chlamydia trachomatis antibodies	(Hunfeld / Brade)
- 2 samples à 200 µL, serum - (Order of additional sets is not possible!)		49,00 € /Survey
Antibodies against Chlamydia trachomatis		
No. 316	Infection serology - C. trachomatis direct detection (dir. IFA)	(Hunfeld / Brade)
- 2 slides - (Order of additional sets is not possible!)		39,00 € /Survey
Direct detection of Chlamydia trachomatis antigen (dir. IFA)		
No. 313	Infection serology - C. trachom.direct detection (Ag-ELISA, PACE2 CT Assay)	(Hunfeld / Brade)
- 2 spiked samples à 200 µL - (Order of additional sets is not possible!)		39,00 € /Survey
Direct detection of Chlamydia trachomatis antigen (ELISA, PCR)		
No. 325	Infection serology - Coxiella burnetii antibodies	(Hunfeld / Brade)
- 2 samples à 300 µL, serum - (Order of additional sets is not possible!)		54,00 € /Survey
Antibodies against Coxiella burnetii		
No. 322	Infection serology - C-reactive protein	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		29,00 € /Survey
Detection of C-reactive protein (CRP)		

No. 318	Infection serology - Diphtheria toxoid antibodies	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		
Antibodies against diphtheria toxoid		39,00 € /Survey
No. 334	Infection serology - Helicobacter pylori antibodies	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		
Antibodies against Helicobacter pylori		54,00 € /Survey
No. 324	Infection serology - Mycoplasma pneumoniae antibodies	(Hunfeld / Brade)
- 2 samples à 300 µL, serum - (Order of additional sets is not possible!)		
Antibodies against mycoplasma pneumoniae		54,00 € /Survey
No. 320	Infection serology - Procalcitonin	(Hunfeld / Brade)
- 2 samples à 200 µL, serum - (Order of additional sets is not possible!)		
Detection of procalcitonin		39,00 € /Survey
No. 323	Infection serology - Rheumatoid factor	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		
Detection of rheumatoid factor (RF)		34,00 € /Survey
No. 331	Infection serology - Salmonella antibodies	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		
Antibodies against salmonella		49,00 € /Survey
No. 321	Infection serology - Antistreptococcal antibodies (ASL, DNase)	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		
Antibodies against streptococcal antigens		49,00 € /Survey
No. 310	Infection serology - Tetanus toxoid antibodies	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		
Antibodies against tetanus toxoid		39,00 € /Survey
No. 311	Infection serology - Treponema pallidum antibodies	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		
Antibodies against Treponema pallidum		54,00 € /Survey
No. 315	Infection serology - Yersinia antibodies	(Hunfeld / Brade)
- 2 samples à 400 µL, serum - (Order of additional sets is not possible!)		
Antibodies against yersinia		49,00 € /Survey
No. 185	Biogenic amines in plasma	(Wood / Reinauer)
- 2 samples plasma -		
Epinephrine/Adrenalin	Dopamine	Norepinephrine/Noradrenalin
		Serotonin
		40,00 € /Survey
		18,00 € Add. set
No. 161	Blood gas analysis	(Luppa / Reinauer)
- 2 samples à 2,5 mL, special samples -		
ionized calcium	Chloride	Sodium
(dir. potentiometry)	Potassium	pH
Glucose	Lactate	pCO2
		pO2
		36,00 € /Survey
		18,00 € Add. set

No. 162	Blood gas analysis / haemoglobin	(Heller / Schlatterer-Krauter)
- 2 samples -		32,00 € /Survey
Haemoglobin, total	Fraction O2Hb Fraction COHb Fraction MetHb	15,00 € Add. set
No. 750	Carbohydrate deficient transferrin (CDT)	(Wood / Reinauer)
- 2 samples serum, lyophilized -		44,00 € /Survey
CDT (Carbohydrate deficient transferrin)		
No. 760	Myocardial markers	(Baum / Reinauer)
- 2 samples à 2 mL serum/plasma (lyophilized) -		58,00 € 760 + 761
CK-MB (activity or mass)	NT-pro BNP (N-terminal proBNP)	35,00 € Add. set
Myoglobin	Troponin I Troponin T	
No. 761	Myocardial markers - BNP	(Baum / Reinauer)
- 2 samples serum/plasma (lyophilized) -		31,00 € /Survey
BNP (B-type natriuretic peptide)		
No. 176	Narcotic drugs in human urine (qualit.+quant.)	(Reinauer / Niederau)
- 2 samples à 10 mL urine (lyophilized) -		38,00 € /Survey
Qualitative		23,00 € Add. set
Amphetamine	Benzodizepine-Lorazepam LSD	Methamphetamine
Barbiturate-Phenobarbital	Buprenorphin MDMA	Morphine (free base)
Benzoylcegonin	EDDP Methadon	Opiate (total) Delta-9-THC-COOH
Quantitative:		
Amphetamine	Benzodizepine-Lorazepam LSD	Methamphetamine
Barbiturate-Phenobarbital	Buprenorphin MDMA	Morphine
Benzoylcegonin	EDDP Methadon	Delta-9-THC-COOH
No. 141	Serum proteins/electrophoresis	(Reinauer / Niederau)
- 2 samples à 5 mL serum (lyophilized) -		21,00 € /Survey
Albumin	Total protein Serum proteins (electrophoresis)	13,00 € Add. set
No. 700	Ethanol	(Reinauer / Falck)
- 2 samples à 2 mL, serum respectively plasma -		31,00 € /Survey
Ethanol		16,00 € Add. set
No. 236	Free Haemoglobin	(Wood / Heuck)
- 2 samples erythrocytes preparation (lyophilized) -		31,00 € /Survey
Haemoglobin (free)		16,00 € Add. set
No. 243	Gammopathies	(Reinauer / Niederau)
- 2 samples à 1 mL, plasma -		39,00 € /Survey
Monoclonal and biclonal gammopathies		18,00 € Add. set
No. 111	Glucose - wet chemistry	(Reinauer / Wood)
- 2 samples à 5 mL serum (lyophilized) -		26,00 € /Survey
Glucose		13,00 € Add. set
No. 145	Glycated proteins I	(Reinauer / Kaiser)
- 2 samples haemolysate (lyophilized) -		41,00 € /Survey
HbA1	HbA1c	25,00 € Add. set
No. 146	Glycated proteins II	(Niederau / Reinauer)
- 2 samples serum (lyophilized) -		15,00 € /Survey
Fructosamine		10,00 € Add. set

No. 147 Glycated proteins III (NycoCard systems) (Niederau / Reinauer)

- 2 samples stabilized whole blood preparation - 64,00 € /Survey
HbA1c

No. 148 Glycated proteins IV (Afinion systems) (Niederau / Reinauer)

- 2 samples stabilized whole blood preparation - 29,00 € /Survey
HbA1c 18,00 € Add. set

No. 211 Haematology I - Blood cell count (Heller / Schlatterer-Krauter)

- 2 specimen à 2 mL, stabilized control blood - 41,00 € /Survey
24,00 € Add. set
Haemoglobin* RBC (erythrocytes) MCV WBC (leucocytes)
Platelet count Haematocrit (packed cell volume by centrifugation or electronic counter)

No. 811 Haematology II - Haemoglobin, AHD method (Heller / Schlatterer-Krauter)

- 2 samples à 1,5 mL - 25,00 € /Survey
Haemoglobin (total) 13,00 € Add. set

No. 209 Haematology III - Blood cell count - QBC system (Heller / Schlatterer-Krauter)

- 2 samples control blood - 39,50 € /Survey
Haemoglobin - QBC Haematocrit - QBC WBC (leucocytes) - QBC Platelet count - QBC 24,00 € Add. set

No. 216 Haematology IV - Reticulocyte analysis II (automatic analysis) (Nebe / Gutensohn)

- 2 samples for automated reticulocyte counting by cell analysers - 80,00 € /Survey
55,00 € Add. set

No. 215 Haematology V - Reticulocyte analysis I (microscopy) (Nebe / Gutensohn)

- 2 blood smears for microscopic analysis - 65,00 € /Survey

No. 612 / 912 Haematology VI - Differential blood count (automatic) (Heller / Schlatterer-Krauter)

- 2 samples fresh whole blood from blood-bank, overnight shipping - 55,00 € /Survey
Blood cell count + automatic differential blood count 34,00 € Add. set
Haemoglobin RBC (erythrocytes) MCV WBC (leucocytes)
Platelet count Haematocrit
Differential blood cell count: Neutrophilic granulocytes Lymphocytes
Monocytes Eosinophil Basophil

Due to high demand two different sets of samples will be sent. The group number you receive will be set by INSTAND e. V. before each EQAS shipment. Both groups are equivalent.

No. 212 Haematology VII - Blood smear analysis (Diem / Baurmann)

- 2 peripheral blood smears - 41,00 € /Survey

Blood cell differentiation of leucocytes in %, morphology of erythrocytes, leucocytes, platelets · probable diagnosis

Mikroskopierkurs für Anfänger: [01.09.-02.09.2011](#). Kloster Benediktbeuern bei München. Kosten (incl. Einzelmikroskop / Verpflegung / Übernachtungen) ca. 100,- €. Anmeldung über die verschickte Einladung Frühjahr 2011 (german language). Organisation: Diem. Referenten noch nicht festgelegt.

Mikroskopierkurs für Fortgeschrittene: [02.09.-04.09.2011](#). Kloster Benediktbeuern bei München. Kosten (incl. Einzelmikroskop / Verpflegung / Übernachtungen / Präparate zum mitnehmen) ca. 350,- €. Anmeldung über die verschickte Einladung Frühjahr 2011 (german language). Organisation: Diem. Referenten noch nicht festgelegt.

Mikroskopierkurs für Fortgeschrittene: [09.09.-11.09.2011](#). Kloster Benediktbeuern bei München. Kosten (incl. Einzelmikroskop / Verpflegung / Übernachtungen / Präparate zum mitnehmen) ca. 350,- €. Anmeldung über die verschickte Einladung Frühjahr 2011 (german language). Organisation: Diem. Referenten noch nicht festgelegt.

Ringversuchsteilnehmer werden bevorzugt.

No. 812	Haematology VIII - Collection of examples	(Diem / Baurmann)
<i>Fälle 1 - 10</i>	<i>Fälle 11 - 20</i>	<i>Fälle 21 - 30</i>
Eingedeckte Ausstriche aus peripherem Blut incl. Lösungsheft zum Selbststudium. (Beispiele siehe www.instand-ev.de/Ringversuche/Begleithefte/)		
Leihgebühr der Präparate, 4 Wochen! (Lösungsheft kann behalten werden!)		70,00 €
Falls Sie die Präparate nicht vollständig und unversehrt zurücksenden, entsteht eine Gebühr von		200,00 €
Shipment only to German-speaking countries!		
No. 218	Haematology IX - Bone marrow cytology	(Diem / Baurmann)
<i>- 2 peripheral blood smears, 2 micro slides bone marrow aspirate (crushing preparation)- (Order of additional sets is not possible)</i>		90,00 € /Survey
Evaluation and diagnosis		
Mikroskopierkurs Knochenmark: 04.09.-05.09.2011 . Kloster Benediktbeuern bei München. Kosten (incl. Einzelmikroskop / Verpflegung / Übernachtungen / Präparate zum mitnehmen) ca. 150,-€. Anmeldung über die verschickte Einladung Frühjahr 2011 (german language). Organisation: Diem. Referenten noch nicht festgelegt.		
Ringversuchsteilnehmer werden bevorzugt.		
No. 213	Haematology X - Immunophenotyping I	(Kuling / Schabath)
<i>- 2 samples, control blood -</i>		95,00 € /Survey
Lymphocyte-immunophenotyping (T-, B-lymphocytes, NK cells, CD4, CD8 cells) - peripheral blood		60,00 € Add. set
No. 217	Haematology XI - Stem-/Progenitor cells (CD 34)	(Gutensohn / Humpe)
<i>- 2 samples, human blood -</i>		95,00 € /Survey
For flow cytometric determination of CD34+ stem and progenitor cells		60,00 € Add. set
No. 214	Haematology XII - Immunophenotyping II	(Schabath / Kuling)
<i>Sample I: bone marrow / blood smears + leukaemia / lymphoma cells</i>		110,00 € /Survey
<i>Sample II: bone marrow / blood smears + list mode dates (disc) -</i>		50,00 € Add. set
Immunophenotyping of leukemias/lymphomas		
No. 616	Haematology XIII - PNH diagnostics	(Schrezenmeier / Nebe)
<i>- 2 samples, EDTA-blood -</i>		95,00 € /Survey
GPI deficient cells		
No. 617	Haematology XIV - Immunophenotyping III (T-, B-, NK-cells)	(Humpe / Gutensohn)
<i>- 2 samples, cellular products -</i>		95,00 € /Survey
For flow cytometric determination of T-, B- and NK-cells only in cellular products		60,00 € Add. set
No. 210	Haematology XV - Haemoglobinopathies	(Frömmel / Brunner)
<i>- 2 samples whole blood -</i>		35,00 € /Survey
Evaluation and diagnosis		20,00 € Add. set
No. 221	Haemostasis I (TPZ, INR, aPTT)	(Spannagl / Dick)
<i>- 2 samples à 1 mL resp. 0,5 mL plasma (lyophilized) - maximum order: 2 sets of samples</i>		41,00 € /Survey
Global test I: PT (TPZ), aPTT Prothrombin time Activated partial thromboplastin time		17,00 € Add. set
No. 222	Haemostasis II (FIB, TZ, FSP)	(Spannagl / Dick)
<i>- 2 samples à 1 mL plasma (lyophilized) - maximum order: 2 sets of samples</i>		43,00 € /Survey
Global test II: TZ, FIB, FDP screening		17,00 € Add. set
Thrombin time Fibrinogen		
FDP screening, using batroxobin time or heparin independent thrombin time		
No. 223	Haemostasis III (F. II, V, VII,X)	(Spannagl / Dick)
<i>- 2 samples à 1 mL (resp. 0,5 mL) plasma, lyophil. material) - maximum order: 2 sets of samples</i>		48,00 € /Survey
<u>Single factors A (via PT):</u>		17,00 € Add. set

No. 224	Haemostasis IV (F. IX, XI, XII, XIII)	(Spannagl / Dick)
- 2 samples à 1 mL (resp. 0,5 mL) plasma, lyophil. material - maximum order: 2 sets of samples		48,00 € /Survey
Single factors B (via APTT etc.):		17,00 € Add. set
No. 225	Haemostasis V (AT, Prot.-C, -S, C1-Inh.)	(Spannagl / Dick)
- 2 samples à 1 mL (resp. 0,5 mL) plasma, lyophil. material - maximum order: 2 sets of samples		40,00 € /Survey
<u>Inhibitores (AT, PC, PS)</u>	Antithrombin C1-Inhibitor	16,00 € Add. set
	Protein C Protein S	
No. 226	Haemostasis VI (D-Dimer)	(Spannagl / Peetz)
- 2 samples à 0,5 mL plasma (lyophilized) - maximum order: 2 sets of samples		30,00 € /Survey
<u>D-Dimer (DD)</u>	Detection of D-Dimer (quantitative)	16,00 € Add. set
No. 227	Haemostasis VII (F. VIII, WF)	(Spannagl / Dick)
- 2 samples à 1 mL (resp. 0,5 mL) plasma, lyophil. material) - maximum order: 2 sets of samples		40,00 € /Survey
<u>F. VIII / WF</u>	F. VIII, WF Ag, WF RiCof, WF CBA	16,00 € Add. set
No. 228	Haemostasis VIII (Lupus anticoagulant)	(Spannagl / Dick)
- 1 sample plasma -		115,00 € /per year!
Lupus anticoagulant		Add. set is not possible
Samples and evaluation from ECAT, Leiden, Netherlands.		
No. 229	Haemostasis IX (Hirudin)	(Peetz / Spannagl)
- 2 samples à 1 mL plasma (lyophilized) - maximum order: 2 sets of samples		21,00 € /Survey
Hirudin		10,00 € Add. set
No. 230	Haemostasis X (Argatroban)	(Peetz / Spannagl)
- 2 samples à 1 mL plasma (lyophilized) - maximum order: 2 sets of samples		21,00 € /Survey
Argatroban		10,00 € Add. set
No. 220	Haemostasis XI (F VIII-Inhibitor)	(Spannagl / Dick)
- 1 sample plasma -		115,00 € /per year!
F VIII-Inhibitor		Add. set is not possible
Samples and evaluation from ECAT, Leiden, Netherlands.		
No. 280	Haemostasis XII (UF Heparin)	(Peetz / Spannagl)
- 2 samples à 1 mL plasma (lyophilized) - maximum order: 2 sets of samples		21,00 € /Survey
Unfractionated heparin		10,00 € Add. set
No. 281	Haemostasis XIII (NM Heparin)	(Peetz / Spannagl)
- 2 samples à 1 mL plasma (lyophilized) - maximum order: 2 sets of samples		21,00 € /Survey
Low mol. weight heparin		10,00 € Add. set
No. 282	Haemostasis XIV (Orgaran)	(Peetz / Spannagl)
- 2 samples à 1 mL plasma (lyophilized) - maximum order: 2 sets of samples		21,00 € /Survey
Orgaran		10,00 € Add. set
No. 283	Haemostasis XV (TEG/ROTEM)	(Spannagl / Dick)
- 2 samples à 2 mL plasma (lyophilized) - maximum order: 2 sets of samples		41,00 € /Survey
TEG/ROTEM		17,00 € Add. set
No. 284	Haemostasis VI - Molecular genetics	(Geisen / Spannagl / Flörke)
- 1 sample each, DNA - (Order of additional sets is not possible!)		65,00 € /Survey
VKORC1	CYP2C9 F. VIII, F IX, WF	Can only be ordered as a set

No. 285	Haemostasis XVII - Compact	(Spannagl / Dick)
- 2 samples à 1 mL plasma (lyophilized) - maximum order: 2 sets of samples		
Antithrombin	D-Dimer	Fibrinogen
Thrombin time	Prothrombin time	Activated partial thromboplastin time
		75,00 € /Survey
		28,00 € Add. set
No. 286	Haemostasis XVIII - POCT	(Spannagl / Dick)
- 2 samples whole blood or lyophilized material -		
INR	Quick %	PTT ACT
		24,00 € /Survey
		15,00 € Add. set
Due to different detection techniques applied not every sample material can be guaranteed as suitable for every POCT machine.		
No. 287	Haemostasis XIX - HIT II antibodies	(Spannagl / Kiefel)
- 1 sample plasma/serum -		
		115,00 € /per year!
		Add. set is not possible
Samples and evaluation from ECAT, Leiden, Netherlands.		
No. 288	Haemostasis XX - Functional APC resistance	(Spannagl / Dick)
- Citrated plasma à 1 mL; both a normal and a pathological sample -		
Functional APC resistance		
		18,00 € /Survey
No. 500	Urinary stone analyses	(Rebentisch / Wolter)
- 2 samples pulverized material -		
		31,00 € /Survey
		18,00 € Add. set
No. 301	Hormones - Ca-metabolism/special thyroid	(Wood / Maly)
- 2 samples à 3 mL serum (lyophilized) -		
Calcitonin	1-84 PTH	Thyroglobulin
		35,00 € /Survey
		20,00 € Add. set
No. 305	Hormones - Fertility - 1st trimester screening	(Maly / Wood)
- 2 samples serum/plasma -		
β -hCG (free β -chain)	PAPP A	
		83,00 € /Survey
		45,00 € Add. set
No. 306	Hormones - Fertility - 2st trimester screening	(Maly / Wood)
- 2 samples serum/plasma -		
AFP	β -hCG	unconjugated E3
		56,00 € /Survey
		41,00 € Add. set
No. 297	Hormones - Fertility analytes (general)	(Wood / Maly)
- 2 samples à 3 mL serum/plasma (lyophilized) -		
AFP	FSH	LH
		34,00 € 297,303,308
		25,00 € Add. set
<u>hCG (total); hCG (total) + β-hCG, free β-chain hCG* Please order special samples No. 308. In addition to No. 297 free of charge. For single order: 18 €</u>		
<u>Oestriol (free), Total-oestriol* Please order special samples No. 303. In addition to No. 297 free of charge. For single order: 9 €</u>		
No. 307	Hormones - Fertility analytes	(Wood / Reinauer)
- 2 samples à 5 mL serum (lyophilized) -		
17- β -estradiol	Progesterone	Testosterone (total)
		25,00 € /Survey
		13,00 € Add. set
No. 298	Hormones - Adrenal gland/pituitary	(Wood / Reinauer)
- 2 samples, 3 or 5 mL serum/plasma (lyophilized) -		
1-39 ACTH	DHEA	DHEA-S Prolactin
		28,50 € /Survey
		20,00 € Add. set
<u>HGH* Please order special samples No. 398. In addition to No. 298 free of charge. For single order: 18 €</u>		
No. 300	Hormones - Pancreas/gastrointestinal tract	(Reinauer / Wodd)
- 2 samples à 5 mL serum/plasma (lyophilized) -		
C-peptide	Gastrin	Glucagon
Insulin	Proinsulin	
		28,50 € /Survey
		20,00 € Add. set

No. 294	Hormones - Thyroid hormones	(Reinauer / Scherbaum)
- 2 samples à 5 mL serum/plasma (lyophilized) -		31,00 € /Survey
T3	TSH	T4 (free) T3U
T4	T3 (free)	TBG T-Uptake
18,00 € Add. set		
No. 295	Hormones - Thyroid gland antibodies	(Wood / Reinauer)
- 2 samples à 1 mL serum/plasma (lyophilized) -		30,00 € /Survey
Anti-microsomal	Anti-thyreoglobulin	Anti-TPO TSI/TSAB (TRAK/THYBIA)
20,00 € Add. set		
No. 302	Hormones - Steroid hormones, thyroid hormones	(Reinauer / Wood)
- 2 samples à 5 mL serum (lyophilized) -		46,00 € /Survey
Cortisol	Progesterone	T3 T3 (free)
17-β-estradiol	Testosterone (total)	T4 T4 (free)
23,00 € Add. set		
Aldosterone* Please order special samples No. 304. In addition to No. 302 free of charge. For single order: 14 €		
No. 309	Hormones - Virilization	(Maly / Wood)
- 2 samples serum/plasma -		56,00 € /Survey
17-hydroxy progesterone	Androstendione	
41,00 € Add. set		
No. 440	Immunogenetics / HLA	(Heinemann / Schönemann)
- 5 blood samples - (Order of additional sets is not possible!)		49,00 € /Survey
Determination of HLA-B27		
No. 441	Immunogenetics / HLA	(Heinemann / Schönemann)
- 5 blood samples - (Order of additional sets is not possible!)		69,00 € /Survey
Serological typing of HLA class I (HLA A, B) (441-1) and/or HLA class II (HLA-DR, DQ) (441-2)		
No. 442	Immunogenetics / HLA	(Heinemann / Schönemann)
- 5 blood samples - (Order of additional sets is not possible!)		79,00 € /Survey
DNA typing of HLA class II: Generic HLA-DRB typing (442-1), generic HLA-DQB1 typing (442-2), high resolution HLA-DRB1 typing (442-3), high resolution HLA-DQB1 typing (442-4), HLA-DRB1 DNA typing to determine the "Shared Epitope" (442-5)		
No. 443	Immunogenetics / HLA	(Heinemann / Schönemann)
- 5 blood samples / survey, 1 serum set (20 sera) / year- (Order of additional sets is not possible!)		100,00 €
only on block with No. 441 in April and/or July		
HLA crossmatching (lymphocytotoxic crossmatching)		
No. 444	Immunogenetics / HLA	(Heinemann / Schönemann)
- 5 samples (buffy coat) - (Order of additional sets is not possible!)		110,00 € /Survey
DNA typing of HLA class I: Optional generic HLA-A typing (444-1), generic HLA-B typing (444-2), generic HLA-C typing (444-3), high resolution HLA-A typing (444-4), high resolution HLA-B typing (444-5), high resolution HLA-C typing (444-6), HLA-B*57:01 determination (444-7)		
No. 445	Immunogenetics / HLA	(Heinemann / Schönemann)
- 5 serum samples - (Order for maximum 2 additional sets is possible!)		140,00 € /Survey
HLA-antibody screening (presence/absence of HLA antibodies, HLA antibody specification)		100,00 € Add. set
No. 231	Immunohaematology I	(Wagner / Geisen)
- 2 sets of samples: 1 set = 1 x 5 mL serum/1 x 5 mL erythrocytes suspension -		52,00 € /Survey
A B 0 grouping	Rh-typing	Coombs testing (dir.)
Rh-factor D	Antibody-screening	Kell antigen
36,00 € Add. set		

No. 232 Immunohaematology II (Wagner / Geisen)

- 2 sets of samples: 1 set = 2 x 5 mL serum/1 x 5 mL erythrocytes suspension - 69,00 € /Survey
 Same as No. 231, additior Antibody identification and quantitation 49,00 € Add. set

No. 233 Immunohaematology III - Platelet immunology (Bux / Kiefel / Kroll)

- 2 samples serum / plasma, 2 samples DNA, 2 samples platelet suspension - 60,00 € /Survey
 Platelet antibodies Platelet antigens

No. 234 Immunohaematology IV - Granulocyte immunology (HNA antibodies and antigenes) (Bux / Kiefel / Kroll)

- 2 samples plasma, 2 samples DNA - 60,00 € /Survey
 HNA-/Granulocyte antibodies HNA-/Granulocyte (neutrophil) antigenes

No. 237 Immunohaematology V (automatic) (Wagner / Geisen)

- 2 samples, whole blood (haematocrit 30%) - 105,00 € /Survey
 A B O grouping Rh-typing Coombs testing (dir.) 75,00 € Add. set
 Rh-factor D Antibody-screening Kell antigen Antibody identification and quantitation is optional

No. 235 Immunohaematology VI (Molecular diagnostic) (Bein / Flegel / Sachs)

- 4 DNA samples - 30,00 € /Survey
 Red cells: AB0, RHD, RHD deletion, RHCE, KEL, FY, JK, MNS Platelets: HPA-1, -2, -3, -5, 15
 Neutrophils: HNA-1a, -1b, -1c; HNA-3a, -3b; HNA-4

No. 241 Immunology-plasmaproteins (Reinauer / Spannagl)

- 2 samples à 1 mL, plasma - 46,00 € /Survey
 alpha1-antitrypsin Coeruloplasmin IgA soluble transferrin receptor (sTfR) 36,00 € Add. set
 alpha1-glycoprotein CRP IgG
 alpha2-macroglobulin Ferritin IgM
 C3-complement Hemopexin IgE
 C4-complement Haptoglobin Transferrin

hsCRP* Please order special samples No. 240. In addition to No. 241 free of charge. For single order: 12 €
Cystatin C* Please order special samples No. 242. In addition to No. 241 free of charge. For single order: 7 €

No. 601 Immunosuppressive drugs (Ceglarek / Kaiser)

- 3 samples whole blood - 55,00 € /Survey
 Cyclosporin A Tacrolimus Sirolimus Everolimus 30,00 € Add. set

No. 102 Capillary zone electrophoresis (Niederau / Reinauer)

- 2 samples serum (liquid) - 17,00 € /Survey
 Serum proteins (electrophoresis)

No. 100 Clinical Chemistry - conventional analysis (Reinauer / Niederau)

- 2 samples à 5 mL serum (lyophilized) - 34,00 € /Survey*
 16,00 € Add. set

Albumin	Cholesterol	GLDH	Potassium	
Aldolase	Cholinesterase	Glucose	Creatinine	Sodium
AP	CK	GOT (AST)	Copper	Osmolality
alpha-amylase	Iron-binding capacity	GPT (ALT)	Lactate	Pancreas amylase
alpha-HBDH	Iron	Uric acid	LAP	Phosphate
Bilirubin (total)	Protein fractions	Urea	LDH	Prostatic acid phosphatase
Bilirubin (conjug./direct)	Total protein	IgA	Lipase	Transferrin
Calcium	Acid phosphatase	IgG	Lithium	Triglycerides
Chloride	GGT	IgM	Magnesium	

Cholesterol* Using the system of Dimension (Dade Behring): Please order special samples No. 103. In addition to No. 100 free of charge. For single order: 18 €

Eval. up to 10 pairs of analyt.results	Eval. 11-16 pairs of analyt.results	Eval. 17-24 pairs of analyt.results	Eval. more than 25 p. of analyt.results
	36.00 €	41.00 €	44.00 €

No. 151 Lipids/lipoproteins - all syst. (incl. No. 803 POCT) (Reinauer / Kuschak / Niederau)

- 2 samples serum/plasma (lyophilized) -

Apolipoproteins	HDL-cholesterol	Lp (a)	Triglycerides	40,00 € /Survey
Cholesterol	LDL-cholesterol	Phospholipids		25,00 € Add. set

No. 460 Cerebrospinal fluid analysis I+II (Reiber / Zimmermann)

- 2 sets = CSF + serum - (Order of additional sets is not possible!)

46,00 € /Survey

Albumin IgA, IgG, IgM (CSF/serum quotients and interpretation)
Total protein

No. 462 Cerebrospinal fluid analysis III (Reiber / Zimmermann)

- 1 set of samples, CSF + serum - (Order of additional sets is not possible!)

25,00 € /Survey

Oligoclonal IgG

No. 463 Cerebrospinal fluid analysis IV (Reiber / Zimmermann)

- 1 set of samples, CSF + serum - (Order of additional sets is not possible!)

38,00 € /Survey

Analysis of virus specific antibodies (IgG class) in CSF and serum for detection of specific antibody response in central nervous system.

Antibodies against measles-, rubella, varicella-zoster- and herpes simplex-viruses.

Detection of titers is not precise enough.

No. 464 Cerebrospinal fluid analysis V (Reiber / Zimmermann)

- 2 samples à 5 mL - (Order of additional sets is not possible!)

28,00 € /Survey

Glucose Lactate

15 €/RV in combination with No. 460, 462 or 463!

No. 465 Cerebrospinal fluid analysis VI (Reiber / Zimmermann)

- 1 set of samples, CSF + serum - (Order of additional sets is not possible!)

55,00 € /Survey

Analysis of borrelia antibodies (IgG class) in CSF and serum for detection of specific antibody response in central nervous system.

Detection of titers is not precise enough.

No. 466 Cerebrospinal fluid analysis VII (Reiber / Lewczuk)

- 1 CSF sample - (Order of additional sets is not possible!)

39,00 € /Survey

Amyloid β Peptid 42 (Aβ42) Gesamt Tau Protein (Tau) PhosphoTau Protein (pTau)

Neurochemical dementia diagnostics: Support for differential diagnosis of dementive processes by interpretation of the combined analysis of different marker proteins in CSF.

No. 470 Cerebrospinal fluid cytology course (Kühn / Haustein)

- No distribution of samples! Training course and test at the universities Ulm (July, 09th in 2011) and Jena (Oct., 14th in 2011) -

We will send you detailed informations after registration. The course is held in German language.

Deadline of registration: Ulm: May 31th, 2011; Jena: August 31th, 2011

No. 730 - 735 Molecular genetics I (Flörke / Kappert)

- 2 samples each, 0,5 ml human blood - (Order of additional sets is not possible!)

25,00 € /Survey

No. 730 Factor V-Leiden-Mutation No. 733 HFE H63D, C282Y (optional: S65C)

Set total: 100,00 €

No. 731 Prothrombin 20210 No. 734 Apolipoprotein E (E2, E3, E4)

No. 732 MTHFR C677T (optional: A1298C) No. 735 PAI-1 (4G/5G)

No. 738 - 749,790 - 793 Molecular genetics II (Flörke / Kappert)

- 3 samples each , DNA (in water) isolated from human leukocytes -

16,00 € /Survey

Set 1
Coagulation
 No. 740 Factor V-Leiden-Mutation
 No. 749 Fibrinogen receptor HPA 1a/1b
 No. 739 Collagen receptor C807T
 Nr. 747 MTHFR C677T
 No. 748 PAI-1 4G/5G
 No. 746 Prothrombin 20210
 No. 790 Protein C
 No. 791 Protein S
 No. 792 Antithrombin (AT3; SERPINC1)

Set 2
Enzyme inhibitors
 No. 743 alpha1-antitrypsin (PiM, PiS, PiZ)
Haemochromatosis
 No. 741 HFE (H63D, C282Y)
Lipoproteins
 No. 744 Apolipoprotein E (E2, E3, E4)
M. Wilson
 No. 745 Copper binding protein: ATP7B (H1069Q)
Hyperbilirubinaemie
 No. 742 UDP-glucuronyltransferase1 (TATA-box)
Multiple endocrine neoplasia type 2A (MEN2A)
 No. 738 Ret proto-oncogene, exons 10-16
Hereditary fructose intolerance
 No. 793 Aldolase B (A149P, A174D, N334K)

Add. set by request
Set 1 total: 75,00 €
Set 2 total: 60,00 €

No. 770 - 777 Molecular genetics III - X (Maly / Fried)

- 8 sets of 3 samples each, lyophilized with 500 ng DNA per sample -

Each set 65,00 € /Survey
 45,00 € Add. set

No. 770 Set 1
 F XIII Val34Leu *Coagulation*
 GPIA C807T *Coagulation*
 HPA-1 T393C *Coagulation*
 HPA-5 G1648A *Coagulation*
 MTHFR A1298C *Coagulation*
 β-Fibrinogen G-455A *Coagulation*
 F VII R353Q *Coagulation*
 Angiotensinogen M235T *Circulatory system*
 ACE Ins / Del *Circulatory system*

No. 771 Set 2
 HFE C282Y *Haemochromatosis*
 HFE H63D *Haemochromatosis*
 HFE S65C *Haemochromatosis*
 ApoB 100 (R3500) *Lipoproteins*
 ApoE E2 E3 E4 *Lipoproteins*
 a1-AT PiS *Enzyme inhibitors*
 a1-AT PiZ *Enzyme inhibitors*
 COL1A1 SP1 G/T *Collagen (osteoporosis)*
 VDR Bsml B/b *Vitamin D receptor (osteoporosis)*

No. 772 Set 3
 CFTR Delta F508 *Cystic fibrosis*
 LCT T-13910C *Lactose intolerance*
 UGT1A6 A541G *Pharmacogenetics*
 BCHE atypical variation *Pharmacogenetics*
 BCHE K variation *Pharmacogenetics*
 GH-R del exon 3 *Pharmacogenetics*
 HLA-B5701 *Pharmacogenetics, Abacavir hypersensitivity*
 HLA- B27 *Autoimmunity*

No. 773 Set 4
 CYP21B *21-Hydroxylase, AGS*

No. 774 Set 5
 NOD2 R702W *Autoimmunity*
 NOD2 G908R *Autoimmunity*
 NOD2 L1007fs insC *Autoimmunity*
 TNFα G-238A *Autoimmunity*
 TNFα G-308A *Autoimmunity*
 IL-6 G-174C *Autoimmunity*

No. 775 Set 6
 Thiopurin-S-Methyltransferase *Pharmacogenetics*
 FSH receptor *Pharmacogenetics*
 VKORC1 G-1639A *Pharmacogenetics, Coumarin sensitivity*
 CYP2C9 *Pharmacogenetics, Coumarin sensitivity*
 PRNP M129V *Nervoussystem*
 Hemoglobin S *Sickle cell disease*

No. 776 Set 7
 K-ras Codon 12/13 Mutations *Tumor Genetics*

No. 777 Set 8
 Cytochrome p450 2D6 *Pharmacogenetics*
 IL-28B C/T rs12979860 *Hepatitis C*

No. 490 Mycology I (yeasts) (Haase / Fegeler)

- 4 samples -

55,00 € /Survey

Differentiation of fungi (yeasts, yeast-like fungi, hyphomycetes) occurring as causative organism in case of mycosis of the mucosa, organs (deep-seated mycosis), systemic mycosis or in case of acquired mycosis after trauma.

33,00 € Add. set

No. 491 Mycology II (dermatophytes, ..) (Tietz / Nenoff)

- 4 samples, living cultures -

41,00 € /Survey

Differentiation of Dermatophytes Yeasts Moulds

31,00 € Add. set

Living strains of causative agents or contaminantes were sent out, isolated from patients with skin mycoses or mucosal fungal infections.

No. 480 Mycoserology I (Zimmermann / Schröder)

- 2 samples, serum -

34,00 € /Survey

Candida antibodies Candida antigen

16,00 € Add. set

No. 481	Mycoserology II	(Tintelnot / Seibold)		
- 2 samples, serum -		34,00 € /Survey		
Detection of cryptococcus neoformans antigen		16,00 € Add. set		
No. 110	Neonatal bilirubin	(Reinauer / Wood)		
- 2 samples serum à 2 mL (lyophilized) -		31,00 € /Survey		
Bilirubin, total		18,00 € Add. set		
No. 785	Neonatal Screening - Inborn errors of metabolism	(Thiery / Ceglarek)		
- 2 samples dried blood spots -		35,00 € /Survey		
Amino acids	acyl carnitines	fatty acid oxidation disorders		
		21,00 € Add. set		
No. 456	Parasite diagnostic: Microscopic parasitology "blood"	(Tannich / Poppert) (Hörauf / Reiter-Owona)		
- 2 samples EDTA-blood or thin or thick blood film -		39,00 € /Survey		
Microscopic parasitology "blood" in April and Oct.: Prof. Tannich, Hamburg;		29,00 € Add. set		
in Febr. and Sept. Prof.				
No. 451	Parasite diagnostic: Microscopic parasitology "stool"	(Tannich / Poppert)		
- 2 samples, fecal suspension or fecal smear -		39,00 € /Survey		
Microscopic parasitology "stool": Prof. Tannich, Hamburg		29,00 € Add. set		
No. 457	Parasite diagnostic: Detection of Toxoplasma DNA (PCR)	(Hörauf / Reiter-Owona)		
- stabilized EDTA-blood (or amnion fluid)		133,00 € /Survey		
No. 452	Parasite serology - Toxoplasmosis	(Hörauf / Reiter-Owona)		
- 2 samples variable volumes, serum -		39,00 € /Survey		
Toxoplasmosis		29,00 € Add. set		
No. 454	Parasite serology - Malaria and schistosomiasis	(Hörauf / Reiter-Owona)		
- 2 samples variable volumes, serum -		39,00 € /Survey		
Malaria and schistosomiasis		29,00 € Add. set		
No. 455	Parasite serology - Amebiasis and echinococcosis	(Hörauf / Reiter-Owona)		
- 2 samples variable volumes, serum -		39,00 € /Survey		
Amebiasis and echinococcosis		29,00 € Add. set		
No. 195	Therapeutic drug monitoring I	(Steimer / Borner / Kaiser)		
- 2 samples à 5 mL serum (lyophilized) -		49,00 € /Survey		
		26,00 € Add. set		
Carbamazepine	Ethosuximide	Phenobarbital	Primidone	Valproic acid
Digoxin	Lithium*	Phenytoin	Theophylline	
Lithium* Please order special samples No. 189. In addition to No. 195 free of charge. For single order: 18 €				
Please order No. 121 for Vitros systems!				
No. 197	Therapeutic drug monitoring II	(Steimer / Borner / Kaiser)		
- 2 samples à 5 mL serum (lyophilized) -		41,00 € /Survey		
Amikacin	Gentamicin	Tobramycin		26,00 € Add. set
Digitoxin	Methotrexate	Vancomycin		72,00 € 195 + 197
				52,00 € Add. set
No. 198	Therapeutic drug monitoring III	(Steimer / Borner)		
- 2 samples à 5 mL serum (lyophilized) -		31,00 € /Survey		
Chloramphenicol	Flucytosine	Voriconazol		21,00 € Add. set
Fluconazol	Posaconazol			

No. 193	Therapeutic drug monitoring IV	(Steimer / Borner)
- 2 samples à 2 mL serum (lyophilized) -		23,00 € /Survey
Teicoplanin		18,00 € Add. set
No. 194	Therapeutic drug monitoring V	(Steimer / Borner)
- 2 samples à 2 mL serum (lyophilized) -		41,00 € /Survey
Paracetamol	Salicylic acid	34,00 € Add. set
No. 190	Therapeutic drug monitoring VI	(Steimer / Borner)
- 2 samples à 3 mL serum (lyophilized) -		31,00 € /Survey
Amiodarone	Desethylamiodarone	21,00 € Add. set
No. 191	Therapeutic drug monitoring VII	(Steimer / Borner)
- 2 samples à 3 mL serum (lyophilized) -		31,00 € /Survey
Lamotrigine	Sulthiame	21,00 € Add. set
	Levetiracetam	
No. 192	Therapeutic drug monitoring VIII	(Steimer / Borner)
- 2 samples à 3 mL serum (lyophilized) -		31,00 € /Survey
10-OH-Carbazepine	Carbamazepine-epoxide	21,00 € Add. set
	N-Desmethylnmethsuximide	
No. 199	TDM IX - Tricyclic antidepressants	(Steimer / Borner)
- 2 samples à 5 mL serum (lyophilized) -		45,00 € /Survey
Amitriptyline	Desipramine	30,00 € Add. set
Clomipramine	Doxepin	
	Imipramine	
	Nordoxepin	
	Norclomipramine	
	Nortriptyline	
No. 850	TDM X - Antiretrovirals I	(Kuschak / Kaiser)
- 2 samples, 1 - 1,5 ml, serum -		77,00 € /Survey
Efavirenz; Nevirapine; Amprenavir; Atazanavir; Indinavir; Ritonavir; Saquinavir; Lopinavir		40,00 € Add. set
No. 851	TDM XI - Antiretrovirals II	(Kuschak / Kaiser)
- 2 samples, 1 - 1,5 ml, serum -		52,00 € /Survey
Darunavir	Maraviroc (new)	40,00 € Add. set
Etravirine (new)	Nelfinavir	103,00 € 850 + 851
	Nelfinavir-M8-Metabolite	78,00 € Add. set
	Tipranavir	
	Raltegravir (new)	
No. 602	TDM XII - Antifungals / Immunosuppressive drugs	(Ceglarek / Kaiser)
- 2 samples serum/plasma -		29,00 € /Survey
Mycophenol acid	Itraconazol	18,00 € Add. set
	Hydroxyitraconazol	
No. 200	TDM XIII - Antipsychotic drugs	(Steimer / Borner)
- 2 samples à 2 mL serum (lyophilized) -		31,00 € /Survey
Clozapine	Desmethylclozapine	21,00 € Add. set
No. 181	Photometer controls	(Reinauer / Kaiser)
- 2 samples potassium picrate solution -		23,00 € /Survey
Wavelengths 334, 340, 365, 405 and 436 nm		13,00 € Add. set
No. 860	Psychotherapeutic drugs I	(Haen / Hiemke)
- 2 samples serum à 5 mL -		46,00 € /Survey
10-OH-Carbacepine	Citalopram	26,00 € Add. set
Aripiprazol	Lamotrigine	
	O-Desmethylvenlafaxine	
	Perazine	
	Quetiapine	
	Venlafaxine	

No. 861 Psychotherapeutic drugs II (Haen / Hiemke)

- 2 samples serum à 5 mL -			46,00 € /Survey
Amisulpride	Mirtazapine	Quetiapine	26,00 € Add. set
Escitalopram	O-Desmethylvenlafaxine	Venlafaxine	

No. 862 Psychotherapeutic drugs III (Haen / Hiemke)

- 2 samples serum à 5 mL -			46,00 € /Survey
Clozapine	Haloperidol	Risperidone	26,00 € Add. set
Desmethylclozapine	Olanzapine	9-OH-Risperidone / Paliperidone	
Duloxetine	Quetiapine	Ziprasidone	

No. 863 Psychotherapeutic drugs IV (Haen / Hiemke)

- 2 samples serum à 5 mL -				46,00 € /Survey
Amitriptyline	Desipramine	Imipramine	Nordoxepine	26,00 € Add. set
Clomipramine	Desmethylclozapine	Maprotiline	Nortriptyline	
Clozapine	Doxepine	Norclomipramine	Trimipramine	

No. 864 Psychotherapeutic drugs V (Haen / Hiemke)

- 2 samples serum à 5 mL -			44,00 € /Survey
Donepezil	Galantamine	Rivastigmin	26,00 € Add. set

No. 205 Trace elements I (Muche / Bühling)

- 2 samples à 10 mL (lyophilized urine) -					77,00 € /Survey
					52,00 € Add. set
Aluminium	Chromium	Cadmium	Manganese	Selenium	
Arsenic	Iron	Cobalt	Nickel	Zinc	
Lead	Fluoride	Copper	Mercury (inorganic)		

No. 206 Trace elements II (Muche / Bühling)

- 2 samples à 5 mL (lyophilized serum/plasma) -				52,00 € /Survey
Aluminium	Fluoride	Copper	Selenium	26,00 € Add. set
Arsenic	Gold	Manganese	Zinc	103,00 € 205 + 206
Chromium	Cadmium	Nickel		78,00 € Add. set
Iron	Cobalt	Platinum		

No. 207 Trace elements III (Muche / Bühling)

- 2 samples à 5 mL (lyophilized serum/plasma) -			31,00 € /Survey
Antimony	Molybdenum	Bismuth	18,00 € Add. set
Beryllium	Vanadium	Tin	

No. 208 Trace elements IV (Muche / Bühling)

- 2 samples whole blood -				31,00 € /Survey
Antimony	Chromium	Manganese	Selenium	20,00 € Add. set
Arsenic	Cadmium	Nickel	Zinc	
Lead	Cobalt	Mercury		

No. 120 Dry chemistry I: Reflotron system (Wood / Nauck)

- 2 samples serum, plasma (lyophilized) -				32,00 € /Survey*
Carrier bound reagents				18,00 € Add. set
alpha-amylase	CK	GPT (ALT)	Potassium	
AP	GGT	Uric acid	Creatinine	
Bilirubin (total)	Glucose	Urea	Pancreas amylase	
Cholesterol	GOT (AST)	HDL-cholesterol	Triglycerides	

*Evaluation of up to 10 analytes
32,00 €

Evaluation of more than 10 analytes
38,00 €

No. 118 Dry chemistry I: Ammonia - all systems (Wood / Nauck)

- 2 samples aqueous solutions - 15,00 € /Survey
 Carrier bound reagents: Ammonia 10,00 € Add. set

No. 121 Dry chemistry I: Vitros systems (Wood / Nauck)

- 2 samples serum, plasma (lyophilized) - 32,00 € /Survey*
 Carrier bound reagents 18,00 € Add. set

Albumin	Cholinesterase	GGT	Potassium	Sodium
alpha-amylase	Chloride	Glucose	Creatinine	Phosphate
AP	Cholesterol	GOT (AST)	Lactate	Triglycerides
Bilirubin, total	CK	GPT (ALT)	LDH	
Bilirubin (conj./direct)	CK-MB	Uric acid	Lipase	
Bilirubin (unconj./indir.)	Iron	Urea	Lithium	
Calcium	Total Protein	HDL-cholesterol	Magnesium	

*Evaluation of up to 10 analytes 32,00 € Evaluation of more than 10 analytes 38,00 €

No. 810 Dry chemistry II - POCT: Abaxis Piccolo system (Wood / Nauck)

- 2 samples serum, lyophilized - 32,00 € /Survey*
 18,00 € Add. set

Albumin	Chloride	GOT (AST)	Creatinine	Phosphate
Amylase	Cholesterol	GPT (ALT)	Lactate	tCO2
AP	CK	Uric acid	LDH	Triglycerides
Bilirubin (total)	Total protein	Urea (BUN)	LDL-cholesterol	VLDL
Bilirubin (direct)	GGT	HDL-cholesterol	Magnesium	
Calcium	Glucose	Potassium	Sodium	

*Evaluation of up to 8 analytes 32,00 € Evaluation of 9-17 analytes 38,00 € Evaluation of >17 analytes 42,00 €

No. 800 Dry chemistry II: POCT Glucose (Nauck / Wood)

- 2 samples plasma or whole blood - 24,50 € /Survey
 Glucose 14,00 € Add. set

HemoCue- and Lifescan systems included! Shipping dates may vary due to sending unprocessed fresh whole blood.

No. 802 Dry chemistry II: POCT Lactate (Luppa / Nauck)

- 2 samples control solutions - 24,50 € /Survey
 Lactate 14,00 € Add. set

No. 421 Mycobacteriology I (Rüsch-Gerdes / Richter)

- 6 microscopic slides - (Order of additional sets is not possible!)
 Detection of acid-fast bacilli 40,00 € /Survey

No. 422 Mycobacteriology II (Rüsch-Gerdes / Richter)

- 5 sputum specimens - (Order of additional sets is not possible!)
 Detection of mycobacteria by culture and differentiation between TB and NTM 40,00 € /Survey

No. 425 Mycobacteriology V (Rüsch-Gerdes / Richter)

- 5 suspensions of mycobacterial strains - (Order of additional sets is not possible!)
 Sensitivity testing 30,00 € /Survey

No. 423 Mycobacteriology III (Rüsch-Gerdes / Richter)

- 5 suspensions of mycobacterial strains - (Order of additional sets is not possible!)
 Identification of mycobacteria; 5 cultures 32,00 € /Survey

No. 424 Mycobacteriology IV (Roth / Höck)

- 5 sputum specimens - (Order of additional sets is not possible!)

Detection of tubercle-bacilli by nucleic-acid amplification (e.g. PCR) 55,00 € /Survey*

* Mycobacteriology I + II	Mycobacteriology I + II + V	Mycobacteriology I + II + III + V	Mycobacteriology I - IV	Mycobacteriology I - V
70,00 €	90,00 €	110,00 €	135,00 €	140,00 €

No. 292 Tumormarkers (Reinauer / Niederau)

- 2 samples serum -

AFP	CEA	PAP	SCC	50,00 € /Survey
CA 15-3	CYFRA 21-1	PSA (total)	Thyreoglobulin	37,00 € Add. set
Ca 19-9	hCG (total) + β-hCG	PSA (free)	TPA	
CA 72-4	β -2-microglobulin	PSA (compl.)	TPS	
CA 125	NSE	S100		

No. 293 Tumormarkers - PSA (Reinauer / Niederau)

- 2 samples serum -

PSA (total)	PSA (free)	PSA (compl.)	Testosterone (total)	28,00 € /Survey
				18,00 € Add. set

No. 171 Urine chemistry I (qualitative) (Wood / Niederau)

- 2 samples urine (lyophilized/liquid) -

Ascorbic acid	Glucose	Microalbuminuria (Stix)	Urobilinogen	31,00 € /Survey
Bilirubin	HCG (Stix)	Nitrite		18,00 € Add. set
Total Protein	Ketone bodies	pH		
Erythrocytes/Blood	Leucocytes	Specific gravity		

No. 172 (incl.) Sediment (pictures) Cost for separate order of No. 172: 10,00 € /Survey

No. 173 Urine chemistry II (quantitative) (Reinauer / Wood)

- 2 samples urine (lyophilized/liquid) -

alpha-amylase	Total Protein	Potassium	Microalbuminuria	39,00 € /Survey
Calcium	Glucose	Creatinine	Sodium	18,00 € Add. set
Chloride	Uric acid	Copper	Osmolality	
Iron	Urea	Magnesium	Phosphate	

No. 175 Urine chemistry III (biogenic amines) (Wood / Maly)

- 2 samples à 10 mL urine (lyophilized) -

Epinephrine/Adrenalin	5-hydroxyindole acetic acid	Normetanephrine	41,00 € /Survey
Dopamine	Metanephrine	Serotonin	21,00 € Add. set
Homovanillic acid	Norepinephrine/Noradrenalin	Vanillylmandelic acid	

No. 178 Urine chemistry IV (porphyrins) (Wood / Maly)

- 2 samples à 10 mL urine (lyophilized) -

Aminolaevulinic acid	Coproporphyrin-1	Pentaporphyrin	Uroporphyrin (total)	25,00 € /Survey
Heptaporphyrin	Coproporphyrin-3	Porphobilinogen		21,00 € Add. set
Hexaporphyrin	Coproporphyrin (total)	Porphyrins (total)		

No. 179 Urine chemistry V (hormones) (Wood / Maly)

- 2 samples à 5 mL urine (lyophilized) -

Aldosterone	Cortisol (free)	HCG	20,00 € /Survey
			15,00 € Add. set

No. 900 Virtual proficiency testing (Haemostaseology and Immunohaematology) (Spannagl / Heinemann / Kiefel / Fischer)

Case reports, interactiv questionnaires, pre- and postanalytics.

A further pilot study will be start in 2011- participation in the pilot phase is free of charge.

INFORMATION FOR VIRUS DIAGNOSTICS

The INSTAND EQA schemes in virology are performed in scientific cooperation with the Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (DVV), Gesellschaft für Virologie (GfV) and Deutsche Gesellschaft für Hygiene und Mikrobiologie (DGHM). Cooperation partners are: Joint Diagnostic Commission of DVV and GfV, Robert Koch-Institut, Paul-Ehrlich-Institut, Friedrich-Loeffler-Institut, Bernhard-Nocht-Institut, Reference Laboratories incl. National and International Reference Centers and National Consiliary Laboratories, Blood Transfusion Service of German Red Cross (DRK-Blutspendedienst Ost), World Health Organization and International Consortium for Blood Safety.

The characterization of the EQA samples including the determination of the set points/consensus values is performed in cooperation with the INSTAND-Reference-Laboratories (see INSTAND-homepage, www.instand-ev.de).

Information for 2011:

NEW EQA program:

Virus immunology - Dengueviruses (350)

This EQA program for the detection of anti-dengue-IgG, anti-dengue-IgM and dengue NS1 antigen will regularly be performed during March and September EQA surveys starting in 2011. This program is performed in cooperation with Bernhard-Nocht-Institute, Department of Virology, WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research, Hamburg.

Changes of Evaluation Criteria for EQA Schemes 335-377:

The evaluation criteria for receiving a certificate of successful participation in a given EQA scheme in virus immunology and virus genome detection will be changed beginning with the EQA scheme in March 2011. In future it will be required that ALL SAMPLES of a sample set of a given EQA schemes have TO BE DETERMINED CORRECTLY.

This is in accordance with the new Guideline of the German Medical Association (Bundesärztekammer/RiLiBÄK = Richtlinie der Bundesärztekammer zur Qualitätssicherung laboratoriumsmedizinischer Untersuchungen) and the prospective RiLiBÄK sections (section B2/qualitative determinations, and section B3/direct detection and analysis of infectious diseases pathogens).

No. 371	Virus genome detection - Adenoviruses*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 4 samples à 0,5 mL, <i>lyophil. cell culture-lysates</i> -		147,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for adenovirus-DNA		136,00 € Add. set
No. 365	Virus genome detection - Cytomegalovirus*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 4 samples à 0,5 mL, <i>lyophil. cell culture-lysates</i> -		147,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for CMV-DNA		136,00 € Add. set
No. 372	Virus genome detection - Enteroviruses*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 4 samples à 0,5 mL, <i>lyophil. cell culture-lysates</i> -		147,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for enterovirus-RNA		136,00 € Add. set
No. 376	Virus genome detection - Epstein Barr virus*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 4 samples à 0,5 mL, <i>lyophil. cell culture-lysates</i> -		154,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for EBV-DNA		142,50 € Add. set
No. 377	Virus genome detection - Hepatitis A virus*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 4 samples à 1,0 mL, <i>lyophilized plasmas</i> -		154,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HAV-RNA		142,50 € Add. set
No. 361	Virus genome detection - Hepatitis B virus*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 4 samples à 1,0 mL, <i>lyophilized plasmas</i> -		154,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HBV-DNA		142,50 € Add. set
No. 362	Virus genome detection - Hepatitis C virus*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 4 samples à 1,0 mL, <i>lyophilized plasmas</i> -		154,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HCV-RNA		142,50 € Add. set
No. 375	Virus genome detection - Hepatitis C virus genotyping*	(Zeichhardt / Grunert)
1 set = 5 samples à 1,0 mL, <i>lyophilized plasmas</i> -		211,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HCV genotype differentiation		199,50 € Add. set

This EQA scheme is performed in cooperation with the National Reference Centre for Hepatitis C Viruses, Universitätsklinikum Essen.

* In the case of non-fulfilled EQA-results in virology you can order surplus samples of the corresponding EQA program at a nominal cost. These samples are suitable for controlling your method and/or system and can be ordered directly from: Institut für Biotechnologische Diagnostik in der GBD, Potsdamer Chaussee 80, D - 14129 Berlin, Phone: +49-(0)30-6881977 30; Fax: +49-(0)30-6881977 41, Email: info@gbd-biotechdia.de, an.

No. 363	Virus genome detection - Herpes simplex virus type 1 / type 2*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 6 samples à 0,5 mL, lyophil. cell culture-lysates -		217,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for differentiation of HSV 1 and HSV 2 DNA		206,00 € Add. set

No. 360	Virus genome detection - HIV-1 (RNA)*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 4 samples à 1,0 mL, lyophilized plasmas -		154,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HIV-1-RNA		142,50 € Add. set

No. 373	Virus genome detection - Human papillomaviruses*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 5 samples à 0,5 mL, lyophil. cell culture-lysates and biopsy materials -		154,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HPV-DNA		142,50 € Add. set

No. 370	Virus detection (genome/antigen) - Influenza A and B viruses incl. new influenza A(H1N1) virus and avian influenza A(H5N1) viruses*	(Zeichhardt / Grunert)
- 1 set = 8 samples à 1,0 mL, lyophil. cell culture-lysates/allantoic fluids -		245,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for Influenza A and B viruses and antigen testing		229,50 € Add. set

Please note: These EQA samples are not suitable for virus propagation and immune fluorescence tests for antigen detection. Some of the samples can contain chemically inactivated new influenza A(H1N1) virus or avian influenza A(H5N1) virus which cannot be propagated anymore.

This EQA scheme is performed in cooperation with the National Reference Centre for Influenza, Robert Koch-Institute, Berlin.

No. 367	Virus genome detection - Parvovirus B19*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 4 samples à 1,0 mL, lyophilized plasmas -		152,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for parvovirus B19-DNA		141,00 € Add. set

No. 366	Virus genome detection - Varicella zoster virus*	(Zeichhardt / Grunert)
- 2 sets of samples; 1 set = 4 samples à 0,5 mL, lyophil. cell culture-lysates -		147,00 € /Survey
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for VZV-DNA		136,00 € Add. set

No. 351	Virus immunology - Cytomegalovirus*	(Zeichhardt / Grunert)
- 2 samples à 0,5 mL, serum -		61,50 € /Survey
Antibodies against cytomegalovirus (IgG and IgM)		35,00 € Add. set

No. 350	Virus immunology - Dengueviruses*	(Zeichhardt / Grunert)
- 4 samples à 0,25 mL, serum -		141,00 € /Survey
NS1 antigen and antibodies against dengueviruses (IgG and IgM)		122,00 € Add. set
This EQA scheme is performed in cooperation with the Bernhard-Nocht-Institute, Department of Virology, WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research, Hamburg.		

No. 352	Virus immunology - Epstein Barr virus*	(Zeichhardt / Grunert)
- 2 samples à 0,6 mL, serum -		61,50 € /Survey
Antibodies against Epstein Barr virus and heterophilic antibodies		35,00 € Add. set

No. 355	Virus immunology - Hantaviruses*	(Zeichhardt / Grunert)
- 4 samples à 0,5 mL, serum -		141,00 € /Survey
Antibodies against hantaviruses (IgG and IgM)		122,00 € Add. set
This EQA scheme is performed in cooperation with the National Consiliary Laboratory for Hantaviruses, Charité Campus Mitte, Institute of Virology, Berlin.		

* In the case of non-fulfilled EQA-results in virology you can order surplus samples of the corresponding EQA program at a nominal cost. These samples are suitable for controlling your method and/or system and can be ordered directly from: Institut für Biotechnologische Diagnostik in der GBD, Potsdamer Chaussee 80, D - 14129 Berlin, Phone: +49-(0)30-6881977 30; Fax: +49-(0)30-6881977 41, Email: info@gbd-biotechdia.de, an.

No. 343	Virus immunology - Hepatitis A virus*	(Zeichhardt / Grunert)
- 4 samples à 0,5 mL, serum -		54,00 € /Survey
Antibodies against hepatitis A virus (IgG and IgM)		51,00 € Add. set
No. 344	Virus immunology - Hepatitis B virus progr. I*	(Zeichhardt / Grunert)
- 12 samples à 0,75 mL, serum -		120,00 € /Survey
HBs-antigen, anti-HBs and anti-HBc (4 samples each)		113,00 € Add. set
No. 345	Virus immunology - Hepatitis B virus progr. II*	(Zeichhardt / Grunert)
- 6 samples à 0,5 mL, serum -		61,00 € /Survey
Anti-HBc-IgM, HBe-antigen and anti-HBe (2 samples each)		55,00 € Add. set
No. 346	Virus immunology - Hepatitis C virus*	(Zeichhardt / Grunert)
- 4 samples à 0,5 mL, serum -		80,00 € /Survey
Antibodies against hepatitis C virus		53,50 € Add. set
No. 347	Virus immunology - Hepatitis D virus*	(Zeichhardt / Grunert)
- 2 samples à 0,5 mL, serum -		53,50 € /Survey
Antibodies against hepatitis D virus = anti-delta		35,50 € Add. set
No. 348	Virus immunology - Hepatitis E virus*	(Zeichhardt / Grunert)
- 2 samples à 0,4 mL, serum -		69,50 € /Survey
Antibodies against hepatitis E virus		35,00 € Add. set
No. 354	Virus immunology - Herpes simplex viruses*	(Zeichhardt / Grunert)
- 2 samples à 0,5 mL, serum -		69,50 € /Survey
Antibodies against HSV (IgG and IgM)		35,00 € Add. set
No. 335	Virus immunology - HIV-1 / HIV-2*	(Zeichhardt / Grunert)
- 4 samples à 0,75 mL, serum -		98,00 € /Survey
Antibodies against HIV-1 and HIV-2 (human immunodeficiency virus type 1 and type 2)		56,00 € Add. set
No. 337	Virus immunology - HIV-1 p24 antigen*	(Zeichhardt / Grunert)
- 2 samples à 0,5 mL, serum -		69,50 € /Survey
p24 core antigen of HIV-1 (human immunodeficiency virus type 1)		35,00 € Add. set
No. 357	Virus immunology - Measles virus*	(Zeichhardt / Grunert)
- 2 samples à 0,5 mL, serum -		61,50 € /Survey
Antibodies against measles virus (IgG and IgM)		35,00 € Add. set
No. 356	Virus immunology - Mumps virus*	(Zeichhardt / Grunert)
- 2 samples à 0,5 mL, serum -		61,50 € /Survey
Antibodies against mumps virus (IgG and IgM)		35,00 € Add. set
No. 342	Virus immunology - Parvovirus B19*	(Zeichhardt / Grunert)
- 4 samples à 0,5 mL, serum and plasma, resp.-		94,00 € /Survey
Antibodies against parvovirus B19 (IgG and IgM)		81,50 € Add. set

* In the case of non-fulfilled EQA-results in virology you can order surplus samples of the corresponding EQA program at a nominal cost. These samples are suitable for controlling your method and/or system and can be ordered directly from: Institut für Biotechnologische Diagnostik in der GBD, Potsdamer Chaussee 80, D - 14129 Berlin, Phone: +49-(0)30-6881977 30; Fax: +49-(0)30-6881977 41, Email: info@gbd-biotechdia.de, an.

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In co-operation with

Ärzteverband Deutscher Allergologen e.V.	Deutsche Gesellschaft für Mineralstoffe und Spurenelemente e.V.
Arbeitsgruppe Therapeutisches Drug Monitoring (AGTDM) der Arbeitsgemeinschaft Neuropsychopharmakologie und Pharmakopsychiatrie e.V. (AGNP e.V.)	Deutsche Gesellschaft für Parasitologie e.V.
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Deutsche Gesellschaft für Liquordiagnostik und Klinische Neurochemie e.V.	MQ Zürich Schweiz

By order of

Bundesärztekammer (Arbeitsgemeinschaft der Deutschen Ärztekammern) und Kassenärztlichen Vereinigungen

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