

VEQ 360°



Una risorsa indispensabile per confermare e migliorare la qualità di tutto il tuo laboratorio.

Catalogo 2025



INSTAND

INSTAND International GMBH

Programmi dedicati a
genetica e biologia molecolare



Engraftment- and Chimerism Diagnostics

Reibke / Dick / Spannagl

618

Samples: 5 samples

Sample properties: Whole blood samples, donor, patient pre-and post-transplant per appointment

Shipping Information: Shipping at ambient temperature

Certificate Validity: 24 months

additional sample set not available

Chimerism diagnostics after stem cell transplantation

Evaluation and diagnosis Receiver

Annual fee: 256 € - Only annual subscription possible!

EQA results can only be submitted online!

Successful participation in both EQAS rounds is necessary for the award of a certificate (10 samples per year).

Due to longer shipment times, labs using FISH-Analyses, cannot participate in this EQA.

	May (3)	Oct. (6)
Registration deadline:	28.02.25	15.08.25
Sample Shipment:	29.04.25	14.10.25
Closing Date:	16.05.25	31.10.25

Immunogenetics

HLA Diagnostics 01 - HLA-B27 Determination

Lachmann / Zaralioglu

440

Samples: 5 blood samples

Sample properties: EDTA whole blood samples, 2-3 ml each

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

additional sample set not available

participation according to Rili-BÄK:
bi-annual

Determination of HLA-B27 by molecular and/or serological means

	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Registration deadline:	15.11.24	24.01.25	16.05.25	05.09.25
Sample Shipment:	13.01.25	24.03.25	14.07.25	03.11.25
Closing Date:	07.02.25	18.04.25	08.08.25	28.11.25

Samples: 5 samples Sample properties: Platelet-depleted ACD whole blood samples, approx. 8 ml each Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months					additional sample set not available
HLA Typing of serological equivalents of class I (HLA A, B) and/or HLA class II (HLA-DR, DQ) by serological and/or molecular means on the level of serological equivalents. It is not possible to report individual antigens, e.g. in the context of HLA disease associations (HLA-A29, HLA-B51, etc.).					
	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)	
Registration deadline:	15.11.24	24.01.25	16.05.25	05.09.25	
Sample Shipment:	13.01.25	24.03.25	14.07.25	03.11.25	
Closing Date:	07.02.25	18.04.25	08.08.25	28.11.25	

Samples: 5 samples Sample properties: ACD whole blood samples, approx. 5-7ml each Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months					additional sample set not available
Molecular HLA typing class I and II in low resolution (1-field). The following loci may be reported: HLA-A,-B,-C,-DRB1,-DRB3/4/5,-DQA1,-DQB1,-DPA1 and -DPB1.It is not possible to report individual antigens, e.g. in the context of HLA disease associations (HLA-A29, HLA-B51, etc.).					
	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)	
Registration deadline:	15.11.24	24.01.25	16.05.25	05.09.25	
Sample Shipment:	13.01.25	24.03.25	14.07.25	03.11.25	
Closing Date:	07.02.25	18.04.25	08.08.25	28.11.25	

Samples: 1 serum set (20 Sera à 100 µ and 2x ACD blood à 8 ml) Sample properties: Human serum and platelet-depleted ACD whole blood Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		additional sample set not available
HLA crossmatching		
	Apr. (3)	
Registration deadline:	17.01.25	
Sample Shipment:	17.03.25	
Closing Date:	18.04.25	

Samples: 5 samples

Sample properties: Leukocyte suspension (buffy coat), 1-1,5 ml each

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months / 12 months

additional sample set not available

participation according to Rili-BÄK:
bi-annual

Molecular HLA typing class I and II in high resolution according to standards of the European Federation for Immunogenetics (EFI). The following loci may be reported: HLA-A,-B,-C,-DRB1,-DRB3/4/5,-DQA1,-DQB1,-DPA1 and -DPB1. In addition, HLA-B*57:01 associated with Abacavir hypersensitivity and HLA-DR epitopes associated with rheumatoid arthritis may be reported. It is not possible to report individual antigens, e.g. in the context of HLA disease associations (HLA-A29, HLA-B51, etc.).

(grace period: 30. May 2026)

	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Registration deadline:	15.11.24	24.01.25	16.05.25	05.09.25
Sample Shipment:	13.01.25	24.03.25	14.07.25	03.11.25
Closing Date:	07.02.25	18.04.25	08.08.25	28.11.25

HLA Diagnostics 06 - HLA Antibody Screening and Identification

Samples: 5 samples

Sample properties: Human serum, 1 ml each

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

Maximum order: 2 sets of samples

HLA antibody determination: HLA antibody screening by complement-dependent cytotoxicity test (CDC) and/or with solid phase immunoassays, antibody identification by CDC and/or antibody identification by solid phase immunoassays (ELISA, Luminex), solid phase complement binding assays (C1q, C3d, C4d etc.).

	Feb. (1)	Aug. (4)
Registration deadline:	15.11.24	16.05.25
Sample Shipment:	13.01.25	14.07.25
Closing Date:	21.02.25	22.08.25

HLA Diagnostics 07 - HLA-DQ

Samples: 2 samples of 1-1.5 ml

Sample properties: EDTA whole blood

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

HLA DQA1*05

HLA DQB1*02

HLA DQB1*03:02

	Apr. (3)	Nov. (6)
Registration deadline:	24.01.25	05.09.25
Sample Shipment:	24.03.25	03.11.25
Closing Date:	18.04.25	28.11.25

Immunohaematology 06 - Molecular Diagnostic

Sachs / Flegel / Weinstock

235

Samples: 4 samples

Sample properties: DNA

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

additional sample set not available

Red cells: ABO, MNS, RHD, RHD-Deletion, RHCE, LU, KEL, FY, JK, DI, YT, DO, CO, LW, KN, VEL. Platelets: HPA-1, 2, 3, 4, 5, 6, 9, 15. Granulocytes: HNA-1a, -1b, -1c; HNA-3, HNA-4, HNA-5.

A list of the alleles necessary for successful participation can be found at:

www.instand-ev.de/mandatory-alleles

May (3)

Oct. (6)

Registration deadline:

28.02.25

15.08.25

Sample Shipment:

29.04.25

14.10.25

Closing Date:

16.05.25

31.10.25

Conventional genetics

Molecular Genetics 01 - Apolipoprotein E (E2, E3, E4)

Flörke / Kappert

734

Samples: 2 samples of 0.5 ml

Sample properties: Human whole blood

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

Maximum order: 3 sets of samples

participation according to Rili-BÄK:
bi-annual

Apo E (genotypes 2, 3, 4)

Apr. (2)

Oct. (5)

Registration deadline:

10.01.25

04.07.25

Sample Shipment:

11.03.25

02.09.25

Closing Date:

11.04.25

03.10.25

Molecular Genetics 02 - Factor V-Leiden-Mutation

Flörke / Kappert

730

Samples: 2 samples of 0.5 ml

Sample properties: Human whole blood

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

Maximum order: 3 sets of samples

participation according to Rili-BÄK:
bi-annual

Factor V-Leiden

Apr. (2)

Oct. (5)

Registration deadline:

10.01.25

04.07.25

Sample Shipment:

11.03.25

02.09.25

Closing Date:

11.04.25

03.10.25

Samples: 2 samples of 0.5 ml Sample properties: Human whole blood Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			Maximum order: 3 sets of samples participation according to Rili-BÄK: bi-annual
HFE: C 282 Y	HFE: H 63 D	HFE: S 65 C	
	Apr. (2)	Oct. (5)	
Registration deadline:	10.01.25	04.07.25	
Sample Shipment:	11.03.25	02.09.25	
Closing Date:	11.04.25	03.10.25	

Samples: 2 samples of 0.5 ml Sample properties: Human whole blood Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			Maximum order: 3 sets of samples participation according to Rili-BÄK: bi-annual
MTHFR (A 1298 C)	MTHFR (C 677 T)		
	Apr. (2)	Oct. (5)	
Registration deadline:	10.01.25	04.07.25	
Sample Shipment:	11.03.25	02.09.25	
Closing Date:	11.04.25	03.10.25	

Samples: 2 samples of 0.5 ml Sample properties: Human whole blood Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			Maximum order: 3 sets of samples
Plasminogenactivator-Inhibitor (PAI-1): 4G, 5G			
	Apr. (2)	Oct. (5)	
Registration deadline:	10.01.25	04.07.25	
Sample Shipment:	11.03.25	02.09.25	
Closing Date:	11.04.25	03.10.25	

Samples: 2 samples of 0.5 ml
 Sample properties: Human whole blood
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Maximum order: 3 sets of samples
 participation according to Rili-BÄK:
 bi-annual

Prothrombin G20210A

	Apr. (2)	Oct. (5)
Registration deadline:	10.01.25	04.07.25
Sample Shipment:	11.03.25	02.09.25
Closing Date:	11.04.25	03.10.25

Molecular Genetics 07 - Aldolase B (A149P, A174D, N334K)

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Hereditary fructose intolerance:

Aldolase B: A 149 P Aldolase B: A 174 D Aldolase B: N 334 K

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 08 - Alpha1-antitrypsin (PiM, PiS, PiZ)

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

Enzyme inhibitors:

Alpha-1 antitrypsin S-Locus Alpha-1 antitrypsin Z-Locus

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 Samples of 50 µl Sample properties: Genomic DNA suspended in 10 mM Tris-HCl pH 8.5 Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			additional sample set not available participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
Antithrombin (AT3; SERPINC1)			
	May (3)	Nov. (6)	
Registration deadline:	28.02.25	08.08.25	
Sample Shipment:	29.04.25	07.10.25	
Closing Date:	30.05.25	07.11.25	

Samples: 3 samples of 20 µl Sample properties: DNA (in 20 µl water) isolated from human leukocytes Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		participation according to Rili-BÄK: bi-annual
Lipoproteins: Apo E (genotypes 2, 3, 4)		
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl Sample properties: DNA (in 20 µl water) isolated from human leukocytes Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months		participation according to Rili-BÄK: yearly
M. Wilson: ATP 7 B: H 1069 Q		
	May (3)	
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

Coagulation:

Factor V-Leiden

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Coagulation:

Fibrinogen Receptor HPA: 1a, 1b

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

Haemochromatosis:

HFE: C 282 Y

HFE: H 63 D

HFE: S 65 C

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Coagulation:

Collagen receptor GP Ia/IIa (C 807 T)

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

Coagulation:

MTHFR (A 1298 C) MTHFR (C 677 T)

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Coagulation:

Plasminogenactivator-Inhibitor (PAI-1): 4G, 5G

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 Samples of 50 µl
 Sample properties: Genomic DNA suspended in 10 mM Tris-HCl pH 8.5
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

additional sample set not available

Protein C

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 Samples of 50 µl
 Sample properties: Genomic DNA suspended in 10 mM Tris-HCl pH 8.5
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

additional sample set not available

Protein S

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

Coagulation:

Prothrombin G20210A

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl Sample properties: DNA (in 20 µl water) isolated from human leukocytes Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		participation according to Rili-BÄK: bi-annual
Hyperbilirubinaemia: UDP-glucuronyl transferase (TA)6, (TA)7		
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 23 - Prader-Willi (PWS) und Angelman (AS) Syndromes (Chromosome region 15q11-13, SNRPN)

Christensen / Kappert

786

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months		participation according to Rili-BÄK: yearly
deletion analysis - maternal allele methylation analysis	deletion analysis - paternal allele	
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 24 - Alpha-Globin and beta-Globin

Frömmel / Méndez

794

Samples: 2 samples Sample properties: DNA in Tris-EDTA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		
Mutations in alpha-globin gene (max. 4) Genotype alpha-globin gene (nomenclature haemoglobinopathies) Evaluation alpha-globin gene Mutations in beta globin gene (max. 4) Genotype beta-globin gene (nomenclature haemoglobinopathies) Evaluation beta-globin gene Report with findings from alpha- and beta- globin gene together		
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 25 - Apolipoprotein B APOB, R3500Q (HGVS: c.10580G>A; p.Arg3527Gln), R3500W (HGVS: c.10579C>T; p.Arg3527Trp))

Christensen / Kappert

771

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-Buffer
Shipping Information: Shipping at ambient temperature
Certificate Validity: 12 months

participation according to Rili-BÄK:
bi-annual

Apo B-100 (R3500Q; R3500W)

Annotation for the evaluation: The successful participation requires the correct identification if the variants R3500Q (HGVS: c.10580G>A; p.Arg3527Gln) und R3500W (HGVS: c.10579C>T; p.Arg3527Trp) are present (homozygous/heterozygous) or not (negative) in the DNA samples.

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 26 - AZF (Y-Chromosome Microdeletions)

N.N. / N.N.

788

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-EDTA
Shipping Information: Shipping at ambient temperature
Certificate Validity: 24 months

participation according to Rili-BÄK:
yearly

AZFα- AZFβ-, AZFc deletion;
extension analysis of the deletion, required STS markers, interpretation and recommendations

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 27 - BRCA1 BRCA2

Christensen / Kappert

779

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-Buffer
Shipping Information: Shipping at ambient temperature
Certificate Validity: 24 months

participation according to Rili-BÄK:
yearly

BRCA1 mutation type **BRCA2 mutation type**

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 40 µl
 Sample properties: DNA in Tris-Buffer
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

participation according to Rili-BÄK:
 yearly

CFTR gene

CFTR gene (NM_000492.4). The 34 most common variants detected by standard screening methods will be tested. Participants must be able to identify at least the 34 most common variants. Exception: Participants who only test the 31 variants of the child guidelines for CF. These participants are requested to communicate this in the comment field. Participants who only test for F508del cannot participate in this EQA scheme.

Link to list of mutations:
www.instand-ev.de/cftr-mandatory-mutations

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 29 - Congenital Adrenal Hyperplasia due to 21-Hydroxylase Deficiency (CYP21A2 Gene)

Christensen / Kappert

779

Samples: 2 samples of 40 µl
 Sample properties: DNA in Tris-Buffer
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

participation according to Rili-BÄK:
 yearly

Cyp21A2 gene (Del 8bp)	Cyp21A2 gene (E6 Cluster)	Cyp21A2 gene (F306 +T)
Cyp21A2 gene (I 172 N)	Cyp21A2 gene (I2 G)	Cyp21A2 gene (P 30 L)
Cyp21A2 gene (P 453 S)	Cyp21A2 gene (Q 318 X)	Cyp21A2 gene (R 356 W)
Cyp21A2 gene (V 281 L)		

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 30 - CYP2C9 CYP2C19 VKORC1 TPMT

Wenzel / N.N.

775

Samples: 2 samples of 40 µl
 Sample properties: DNA in Tris-Buffer
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months / 12 months

participation according to Rili-BÄK:
 bi-annual

CYP2C19*2 Allele: G 681 A	CYP2C19*3 Allele: G 636 A	CYP2C9*2 Allele: C 430 T
CYP2C9*3 Allele: A 1075 C	TPMT (nt. A 719 G)	TPMT (nt. G 460 A)
TPMT*2 Allele (nt. G 238 C)	VKORC1: C 1173 T	VKORC1: G -1639 A

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months / 12 months		participation according to Rili-BÄK: bi-annual
CYP2D6 Gene Duplication CYP2D6*4: G 1934 A CYP2D6*6: T1795 del	CYP2D6*3: A2637 del CYP2D6*5: complete Deletion IL-28B C/T: rs 12979860	
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 32 - Duchenne Muscular Dystrophy (DMD) and Becker Muscular Dystrophy (BMD) (DMD Gene)

Christensen / Kappert

780

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months		participation according to Rili-BÄK: yearly
Dystrophin - mutation	Dystrophin - mutation type	
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 33 - Fragile X Syndrome (FMR1 Gene, CGG Repeats)

Christensen / Kappert

781

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months / 24 months		participation according to Rili-BÄK: yearly
Allele 1 FMR1 CGG repeats in 5' UTR Evaluation Allele 1	Allele 2 FMR1 CGG repeats in 5' UTR Evaluation Allele 2	
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 20 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months		participation according to Rili-BÄK: yearly
GJB2 35del G (Connexin 26)		
	May (3) Nov. (6)	
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months / 24 months		participation according to Rili-BÄK: yearly
HTT Gen - CAG repeats allele 1 HTT Gen - evaluation allele 1	HTT Gen - CAG repeats allele 2 HTT Gen - evaluation allele 2	
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 35 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
K-ras Codon 12 mutation K-ras Codon 13 mutation	K-ras Codon 12/13 mutation K-ras Codon 61 mutation	
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 38 - Lactase-gene -13910T>C (MCMG Gene, IVS13 C-T, rs9988235, HGVS: C.1917+326 C>T)

Christensen / Kappert

770

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-Buffer
Shipping Information: Shipping at ambient temperature
Certificate Validity: 12 months

participation according to Rili-BÄK:
bi-annual

Laktase-Gene (LCT) (-13910 C>T; HGVS: c.1917+326C>T)

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 39 - MLH1 MSH2 MSH6 PMS2 (HNPCC)

N.N. / N.N.

783

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-EDTA
Shipping Information: Shipping at ambient temperature
Certificate Validity: 24 months

participation according to Rili-BÄK:
yearly

MLH1, MSH2, MSH6, PMS2 gene analysis (SNV und CNV);
classification of variants; interpretation and recommendations

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 41 - Spinal Muscular Atrophy (SMN1 and SMN2 Genes)

Christensen / Kappert

787

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-Buffer
Shipping Information: Shipping at ambient temperature
Certificate Validity: 24 months

participation according to Rili-BÄK:
yearly

SMN1 Gen SMN2 Gen

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-EDTA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
The following mutations are tested in this EQA scheme: Haplotype B3 (c.1236G>A; c.1129-5923C>G); c.1679T>G; c.1905+1G>A; c.2846A>T		
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-EDTA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
ACE Insertion/Deletion (I/D) polymorphism		
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-EDTA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
CCR5-gene		
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 21 - Ret Proto-Oncogene (Multiple endocrine neoplasia Type 2A - MEN2A, RET Gene)

Christensen / Kappert

738

Samples: 2 Samples of 50 µl
 Sample properties: Genomic DNA suspended in 10 mM Tris-HCl pH 8.5
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

additional sample set not available

Ret Proto-oncogene

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Oncology 01 - AML-Panel (NGS)

Kreuzer / Lorsy

798

Samples: 1 sample
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months / 12 months

participation according to Rili-BÄK:
bi-annual

(grace period: 30. May 2026)

ASXL1 (NM_015338.6) Exon 13 Mutation(s)	ASXL1 Nomenclature
CEBPA (NM_004364.5) Mutation(s)	CEBPA Nomenclature
FLT3 (NM_004119.3) Mutation(s) Exon 20	FLT3 Nomenclature
IDH1 (NM_005896.4) Exon 4 Mutation(s)	IDH1 Nomenclature
IDH2 (NM_002168.4) Exon 4 Mutation(s)	IDH2 Nomenclature
NPM1 (NM_002520.7) Exon 11 Mutation(s)	NPM1 Nomenclature
RUNX1 (NM_001754.5) Mutation(s)	RUNX1 Nomenclature
TP53 (NM_000546.6) Mutation(s)	TP53 Nomenclature

	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Molecular Oncology 02 - BRAF

Kreuzer / Lorsy

795

Samples: 2 samples
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
bi-annual

(grace period: 30. May 2026)

BRAF p.V600 BRAF Nomenclature

	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Molecular Oncology 03 - BTK

Kreuzer / Lorsy

796

Samples: 2 samples Sample properties: DNA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			
BTK p.C481 BTK Nomenclature			
	Mar. (2)	Nov. (6)	
Registration deadline:	27.12.24	08.08.25	
Sample Shipment:	25.02.25	07.10.25	
Closing Date:	28.03.25	07.11.25	

Molecular Oncology 04 - KIT

Kreuzer / Lorsy

767

Samples: 2 samples Sample properties: DNA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
KIT p.D816	KIT Nomenclature	
	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Molecular Oncology 05 - MYD88

Kreuzer / Lorsy

766

Samples: 2 samples Sample properties: DNA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			
MYD88 p.L265P			
	Mar. (2)	Nov. (6)	
Registration deadline:	27.12.24	08.08.25	
Sample Shipment:	25.02.25	07.10.25	
Closing Date:	28.03.25	07.11.25	

Samples: 2 samples Sample properties: DNA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months / 12 months			participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
CALR Exon 9 Mutation(s) MPL p.W515	CALR Nomenclature MPL Nomenclature	JAK2 p.V617F	
	Mar. (2)	Nov. (6)	
Registration deadline:	27.12.24	08.08.25	
Sample Shipment:	25.02.25	07.10.25	
Closing Date:	28.03.25	07.11.25	

Samples: 2 samples Sample properties: DNA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			
SF3B1 Exon 14-15 Mutation(s) (NM_012433.4)		SF3B1 Nomenclature	
	Mar. (2)	Nov. (6)	
Registration deadline:	27.12.24	08.08.25	
Sample Shipment:	25.02.25	07.10.25	
Closing Date:	28.03.25	07.11.25	

Samples: 2 samples Sample properties: DNA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			
STAT3 Exon 21 Mutation(s) (NM_139276.3)		STAT3 Nomenclature	
	Mar. (2)	Nov. (6)	
Registration deadline:	27.12.24	08.08.25	
Sample Shipment:	25.02.25	07.10.25	
Closing Date:	28.03.25	07.11.25	

Samples: 2 samples Sample properties: DNA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
TP53 Mutation(s)		TP53 Nomenclature	
	Mar. (2)	Nov. (6)	
Registration deadline:	27.12.24	08.08.25	
Sample Shipment:	25.02.25	07.10.25	
Closing Date:	28.03.25	07.11.25	