

VEQ 360°



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

Catalogo 2027



INSTAND

Genetica (convenzionale)

Conventional Genetics

Molecular Genetics - Aldolase B (ALDOB) Variants (A149P, A174D, N334K)

793

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: not applicable			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: Aldolase B: A 149 P Aldolase B: A 174 D Aldolase B: N 334 K		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Alpha-Globin and beta-Globin

794

EQAS/PT Properties Samples: 2 samples of 40 µL Sample Properties: DNA solution (approx. 50 ng/µL)			EQAS/PT Experts: Dr. med. Claudia Frömmel Deputy EQAS/PT Experts: Dr. Adriana Méndez		
Requirement for EQAS/PT according to Rili-BÄK: not applicable			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: • Mutations in the alpha-globin gene (max. 4) • Genotype of the alpha-globin gene (hemoglobinopathy nomenclature) • Evaluation of the alpha-globin gene • Mutations in the beta-globin gene (max. 4) • Beta-globin gene genotype (hemoglobinopathy nomenclature) • Beta-globin gene evaluation • Report with findings from both the alpha- and beta-globin genes • Report		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Alpha1-Antitrypsin (SERPINA1) Variants (PiM, PiS, PiZ)

743

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: Alpha-1 antitrypsin S-Locus Alpha-1 antitrypsin Z-Locus			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Angiotensin Converting Enzyme

763

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Prof. Dr. med. Folker Wenzel Deputy EQAS/PT Experts: N.N		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: ACE Insertions/ Deletions (I/D)- Polymorphismus			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Antithrombin (AT3; SERPINC1 Gene)

792

EQAS/PT Properties Samples: 2 Samples of 50 µl Sample Properties: DNA solution (approx. 15 ng/µL) Max. number of sample sets: 1			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: Analysis of the SERPINC1 gene for small base variations (SNVs) and/or copy number variations (CNVs)			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Apolipoprotein (APOE) Variants (E2, E3, E4) - Whole Blood

734

EQAS/PT Properties Samples: 2 samples of 0.5 ml Sample Properties: Whole blood Max. number of sample sets: 3			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: Apo E (genotypes 2, 3, 4)			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
		Apr.			Oct.
Registration Deadline: Sample Shipment: Closing Date:		27-01-08 27-03-09 27-04-09		27-07-02 27-08-31 27-10-01	



Molecular Genetics - Apolipoprotein B APOB, R3500Q (HGVS: c.10580G>A; p.Arg-3527Gln), R3500W (HGVS: c.10579C>T; p.Arg3527Trp))

771

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL) Additional Information: 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.			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: Apo B-100 (R3500Q; R3500W)			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05

Molecular Genetics - Apolipoprotein E (APOE) Variants (E2, E3, E4)

744

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: Apo E (genotypes 2, 3, 4)			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05



Molecular Genetics - AZF (Y-Chromosome Microdeletions)

788

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: PD Dr. rer. nat. Julia Hentschel Deputy EQAS/PT Experts: MSc. Simone Ahting		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: Y-Chromosome AZFa deletion Y-Chromosome AZFb deletion Y-Chromosome AZFc deletion			Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - BRCA1 BRCA2

779

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: Analysis of the BRCA1/BRCA2 genes for small base variations (SNVs) and/or copy number variations (CNVs)			Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - C-C Motif Chemokine Receptor 5

764

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Prof. Dr. med. Folker Wenzel Deputy EQAS/PT Experts: N.N		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: CCR5 gene (Δ32)			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - CFTR Common Mutations

778

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL) Additional Information: - 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. See here for a list of mandatory mutations: www.instand-ev.de/cftr-mandatory-mutations - 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. - Participants who analyze the complete CFTR gene are also welcome to participate. These participants please communicate variants that are not among the 34 most common variants via the comment field. Participants are asked to comment on the possibility of CFTR modulator therapy.			EQAS/PT Experts: PD Dr. rer. nat. Julia Hentschel Deputy EQAS/PT Experts: MSc. Simone Ahting		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: CFTR gene			Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: - ACMG classification - Interpretation of results / recommendation		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Collagen Receptor (ITGA2) Variant C807T

739

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: not applicable			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: Collagen receptor GP Ia/IIa (C 807 T)		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05

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

773

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: Analysis of the CYP21A2 gene for small base variations (SNVs) and/or copy number variations (CNVs)			Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05



Molecular Genetics - Connexin 26 (GJB2 Gene, GJB6 Gene)

782

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: Analysis of the GJB2 gene for small base variations (SNVs) and/or copy number variations (CNVs)			Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: - Analysis of the GJB6 gene for copy number variations (CNVs) - Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Copper-Binding Protein ATP7B Variant (H1069Q)

745

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: ATP 7 B: H 1069 Q			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05



Molecular Genetics - ctDNA Tumour Panel

NEW!

752

EQAS/PT Properties Samples: 2 samples of 3 ml (30 ng/ml cfDNA) Sample Properties: DNA solution Max. number of sample sets: 1 Additional Information: Due to the complex nature of sample preparation, INSTAND e.V. reserves the right to no longer supply EQA samples to laboratories that have repeatedly failed to submit results. Link to the list of mutations: www.instand-ev.de/ctDNA_mutations			EQAS/PT Experts: Prof. Dr. med. Stefan Holdenrieder Deputy EQAS/PT Experts: N.N.		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: BRAF V600-variant(s) KRAS Codon 13-variant(s) EGFR T790M-variant(s) KRAS Codon 61-variant(s) KRAS Codon 12-variant(s) NRAS Codon 61-variant(s)			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: ESR1-variant(s) PIK3CA-variant(s)		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05

Molecular Genetics - CYP2C9 CYP2C19 VKORC1 TPMT

775

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Prof. Dr. med. Folker Wenzel Deputy EQAS/PT Experts: N.N.		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: 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)			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: VKORC1: C 1173 T VKORC1: G -1639 A		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05



Molecular Genetics - CYP2D6 IL28B

777

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Prof. Dr. med. Folker Wenzel Deputy EQAS/PT Experts: N.N		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: CYP2D6 gene Duplication CYP2D6*3: A2637 del CYP2D6*4: G 1934 A CYP2D6*5: complete Deletion CYP2D6*6: T1795 del			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: IL-28B C/T: rs 12979860		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Dihydropyrimidin Dehydrogenase

762

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Susanna Schubert Deputy EQAS/PT Experts: PD Dr. rer. nat. Julia Hentschel		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: The following variants 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			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: Assessment of the influence on enzyme function as well as the dose recommendation		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05



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

780

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: Analysis of the DMD gene for small base variations (SNVs) and/or copy number variations (CNVs)			Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05

Molecular Genetics - Factor V-Leiden (F5) Variant

740

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL) Additional Information: Please note that this EQA scheme is intended for laboratories that test only for the Factor V Leiden SNP. If you perform a complete genetic analysis of the F5 gene, please participate in EQA scheme 670 - Molecular Genetics – Factor V-Gene (F5).			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: Factor V-Leiden			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05

Molecular Genetics - Factor V-Leiden (F5) Variant - Whole Blood

730

EQAS/PT Properties Samples: 2 samples of 0.5 ml Sample Properties: Whole blood Max. number of sample sets: 3 Additional Information: Please note that this EQA scheme is intended for laboratories that test only for the Factor V Leiden SNP. If you perform a complete genetic analysis of the F5 gene, please participate in EQA scheme 670 - Molecular Genetics – Factor V-Gene (F5).			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: Factor V-Leiden			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
		Apr.			Oct.
Registration Deadline: Sample Shipment: Closing Date:		27-01-08 27-03-09 27-04-09			27-07-02 27-08-31 27-10-01

Molecular Genetics - Fibrinogen Receptor (ITGB3) Variant HPA 1a/1b

749

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: not applicable			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: Fibrinogen Receptor HPA: 1a, 1b		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

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

781

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: FMR1: determination of CGG-repeats in 5' UTR			Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: - FMR1: determination of the variant category - Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - HFE Variants H63D, C282Y (optional: S65C)

741

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: HFE: C 282 Y HFE: H 63 D HFE: S 65 C			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05



Molecular Genetics - HFE Variants H63D, C282Y (optional: S65C) - Whole Blood

733

EQAS/PT Properties Samples: 2 samples of 0.5 ml Sample Properties: Whole blood Max. number of sample sets: 3			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: HFE: C 282 Y HFE: H 63 D HFE: S 65 C			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
		Apr.			Oct.
Registration Deadline: Sample Shipment: Closing Date:		27-01-08 27-03-09 27-04-09			27-07-02 27-08-31 27-10-01

Molecular Genetics - Huntington Disease (HTT Gene, CAG Repeats)

784

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: Determination of CAG-repeats			Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05



Molecular Genetics - Lactase-Variant -13910T>C (MCM6 Gene, IVS13 C-T, rs4988235, HGVS: C.1917+326 C>T)

770

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)		EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert			
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: Laktase-Gene (LCT) (-13910 C>T; HGVS: c.1917+326C>T)		Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: Interpretation of results			
Shipping Information: Shipping not cooled		Safety Information: Process as patient sample material			
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05

Molecular Genetics - MLH1 MSH2 MSH6 PMS2 (Lynch)

783

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)		EQAS/PT Experts: PD Dr. rer. nat. Julia Hentschel Deputy EQAS/PT Experts: MSc. Simone Ahting			
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: MLH1 gene MSH2 gene MSH6 gene PMS2 gene - gene analysis (SNVs und CNVs)		Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: - HNPCC interpretation - Interpretation of results / recommendation			
Shipping Information: Shipping not cooled		Safety Information: Process as patient sample material			
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05



Molecular Genetics - MTHFR Variants C677T (optional A1298C)

747

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: MTHFR (A 1298 C) MTHFR (C 677 T)			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline:			27-02-26		27-08-06
Sample Shipment:			27-04-27		27-10-05
Closing Date:			27-05-28		27-11-05

Molecular Genetics - MTHFR Variants C677T (optional A1298C) - Whole Blood

732

EQAS/PT Properties Samples: 2 samples of 0.5 ml Sample Properties: Whole blood Max. number of sample sets: 3			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: MTHFR (A 1298 C) MTHFR (C 677 T)			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
		Apr.			Oct.
Registration Deadline:		27-01-08			27-07-02
Sample Shipment:		27-03-09			27-08-31
Closing Date:		27-04-09			27-10-01



Molecular Genetics - NIPT - Determination of Fetal RhD Status

727

EQAS/PT Properties Samples: 2 samples of 1.5 ml Sample Properties: Liquid plasma (Plasma) Max. number of sample sets: 1			EQAS/PT Experts: Prof. Dr. med. Folker Wenzel Deputy EQAS/PT Experts: Prof. Dr. rer. nat. Ingo Schellenberg		
Requirement for EQAS/PT according to Rili-BÄK: not applicable			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: Determination of the fetal RhD status		
Shipping Information: - Shipping not cooled - Shipping is limited to EU, Switzerland and UK.			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Oct.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-14		27-08-06 27-10-05 27-10-22

Molecular Genetics - NOD2

774

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Prof. Dr. med. Folker Wenzel Deputy EQAS/PT Experts: N.N.		
Requirement for EQAS/PT according to Rili-BÄK: not applicable			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: NOD2 mutation(s) NOD2 Nomenclature cDNA		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - PAI-1 (SERPINE1) Variant (4G/5G)

748

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: not applicable			Not subject to Rili-BÄK: Validity Certificate: 12 months Parameter / Analytes: Plasminogenactivator-Inhibitor (PAI-1): 4G, 5G		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - PAI-1 (SERPINE1) Variant (4G/5G) - Whole Blood

735

EQAS/PT Properties Samples: 2 samples of 0.5 ml Sample Properties: Whole blood Max. number of sample sets: 3			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: not applicable			Not subject to Rili-BÄK: Validity Certificate: 12 months Parameter / Analytes: Plasminogenactivator-Inhibitor (PAI-1): 4G, 5G		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
		Apr.		Oct.	
Registration Deadline: Sample Shipment: Closing Date:		27-01-08 27-03-09 27-04-09		27-07-02 27-08-31 27-10-01	

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

786

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: Methylation analysis deletion analysis			Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Protein C (PROC Gene)

790

EQAS/PT Properties Samples: 2 Samples of 50 µl Sample Properties: DNA solution (approx. 15 ng/µL) Max. number of sample sets: 1			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: not applicable			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: - Analysis of the PROC gene for single-nucleotide variants (SNVs) and/or copy number variations (CNVs) - Interpretation of Results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Protein S (PROS1 Gene)

791

EQAS/PT Properties Samples: 2 Samples of 50 µl Sample Properties: DNA solution (approx. 15 ng/µL) Max. number of sample sets: 1			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: not applicable			Not subject to Rili-BÄK Validity Certificate: 12 months Parameter / Analytes: - Analysis of the PROS1 gene for single-nucleotide variants (SNVs) and/or copy number variations (CNVs) - Interpretation of Results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Prothrombin (F2) Variant G20210A

746

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: Prothrombin G20210A			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - Prothrombin (F2) Variant G20210A - Whole Blood

731

EQAS/PT Properties Samples: 2 samples of 0.5 ml Sample Properties: Whole blood Max. number of sample sets: 3			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: Prothrombin G20210A			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
		Apr.		Oct.	
Registration Deadline: Sample Shipment: Closing Date:		27-01-08 27-03-09 27-04-09		27-07-02 27-08-31 27-10-01	

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

787

EQAS/PT Properties Samples: 2 samples of 40 µl Sample Properties: DNA solution (approx. 15 ng/µL) Max. number of sample sets: 9			EQAS/PT Experts: Dr. rer. nat. Morten O. Christensen Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: yearly Validity Certificate: 24 months Parameter / Analytes: Determination of the copy numbers of the SMN1 and SMN2 genes SMN2 Gen			Not subject to Rili-BÄK Validity Certificate: 24 months Parameter / Analytes: Interpretation of results		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - UDP-Glucuronyltransferase 1 (UGT1A1) Variants

742

EQAS/PT Properties Samples: 3 samples of 20 µl Sample Properties: DNA solution (approx. 20 ng/µL)			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: UDP-G1 UGT1A1*28 UDP-G1 UGT1A1*6			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
			May		Nov.
Registration Deadline: Sample Shipment: Closing Date:			27-02-26 27-04-27 27-05-28		27-08-06 27-10-05 27-11-05

Molecular Genetics - UDP-Glucuronyltransferase 1 (UGT1A1) variants – Whole Blood

NEW!

726

EQAS/PT Properties Samples: 2 samples of 0.5 mL Sample Properties: Whole blood			EQAS/PT Experts: Dr. rer. nat. Ralf Flörke Deputy EQAS/PT Experts: Dr. med. Günther Kappert		
Requirement for EQAS/PT according to Rili-BÄK: bi-annual Validity Certificate: 12 months Parameter / Analytes: UDP-G1 UGT1A1*28 UDP-G1 UGT1A1*6			Not subject to Rili-BÄK: not applicable		
Shipping Information: Shipping not cooled			Safety Information: Process as patient sample material		
Dates	Q1		Q2	Q3	
		Apr.			Oct.
Registration Deadline: Sample Shipment: Closing Date:		27-01-08 27-03-09 27-04-09			27-07-02 27-08-31 27-10-01