

September
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INSTAND

Manual

Information about sample characteristics can be found under the link:

<https://instan-ev.de/en/eqas-online/sample-characteristics/>

The products must be handled like patient samples!

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In order to accelerate the evaluation of the haemostasis EQA scheme, we kindly inform you that any incorrect or missing codes will no longer be corrected in future surveys.

If your coding doesn't fit the specifications of the online selection or of the current manual, you will only receive a confirmation of participation.

For any further queries, don't hesitate to contact Mrs. Kutsch: kutsch@instand-ev.de

You are kindly asked to use this list for coding and registration your results from the EQA-survey.

**You can reach our RV-Online-System for the input of the EQA results at
<https://rv.online-instandev.de>.**

For the EQAS, where further information on the analysis is required, an information PDF is available online.

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INSTAND - Codes (also for haemostaseology!)

AB DIAGNOSTIK SYSTEMS	ABI	BIOPHARM	BZ	DRG INSTRUMENTS	DI
AB-ANALITICA	AU	BIORAD	BR	DRK-Blutspendedienst	DRK
ABACUS DIAGNOSTICA	ABA	BIOREPAIR	BIP	DSL	DL
ABBEXA	ABB	BIORON GmbH	BIR	DUPONT	DP
ABBOTT	AB	BIOS	BQ	DYTREX (INFOPIA)	DY
ABX DIAGNOSTICS	AD	BIOSENS	B1	DiaSource	DIS
ACCU BIOTECH	ACC	BIOSENS	BV	Diasys Deutschland (GREINER)	GR
ACCURI	AC	BIOSERV Diagn.	BX	EBIOSCIENCES	EBI
ACEA BIOSCIENCES	ACE	BIOSITE	BO	EKF DIAGNOSTICS	EK
ACRIS	ACR	BIOSOURCE	BIS	ELABSCIENCE	EAL
ADALTIS	SO	BIOSTAR	BU	ELECTRO NUCLEONICS	EN
ADVANCED BIOLOGICAL LABORATORI	ADB	BIOTEC-FISCHER	BF	ELISABETH PHARMACON	ELI
ADVANCED INSTRUMENTS	ADV	BIOTEST	BT	ELITech	ET
AESKU DIAGNOSTICS	AE	BIOTRIN	BL	ENICOR	EC
AGENA BIOSCIENCE	AGE	BODITECH	BOD	EPITOPE DIAGNOSTICS	EPI
AGILENT TECHNOLOGIES	AGI	BORDIER AFFINITY PRODUCTS	BOR	EPPENDORF	EP
AID	AA	BOSCH HEALTHCARE SOLUTIONS	BHS	EUREKA LAB DIVISION	EU
AIDIAN GERMANY GmbH	AID	BOSKAMP	BP	EURO DIAGNOSTICA	ED
AJ ROBOSCREEN	RS	BOULE MEDICAL	BIM	EURO IMMUN	ER
ALBIO	AO	BRAHMS	HN	EUROFINS TECHNOLOGIES	EUF
ALERE (INVERNESS MEDICAL)	VV	BRAUN	BJ	EUROLYSER	EL
ALEXIS	ALX	BST BIO SENSOR TECHNOLOGY	BST	EUROSPITAL	ES
ALTONA DIAGNOSTIC	AK	BUEHLMANN	BK	EXBIO	EX
AMPLEX	AMP	CALPRO AS	CA	FAST-TRACK DIAGNOSTICS	FT
AMPLISENS BIOTECHNOLOGIES	AM	CARE DIAGNOSTICA	CD	FEINCHEMIE SEBNITZ	FS
ANALYTICON	AN	CATACHEM	CAT	FOCUS	FC
ANALYTIK JENA	AJ	CEDERLANE	CED	FOOKE	FO
ANATOLIA GENEWORKS	ANA	CEERAMTOOLS	CT	FORTRESS DIAGNOSTICS	FD
ANCHOR DIAGNOSTICS	ANC	CELL SCIENCES	CL	FRESENIUS	FR
ANDIATEC	AQ	CENTRONIC	CN	FROST	FX
ANICON	ANI	CEPHEID	CI	FUJIREBIO	FJ
APPLIED BIOSYSTEMS	AP	CERTEST BIOTEC	CH	FUJIZOKI (Fujirebio)	FU
APTEC	APT	CHEMAGEN	CG	FUMOZE	FM
ARGENE (BIOMERIEUX)	AG	CHEMICON	CC	GABMED GmbH	GM
ARTUS	AR	CHIPRON	CP	GEN ID	GI
ASTRA DIAGNOSTICS	AS	CHIRON	CO	GEN-PROBE	GX
ATTOMOL	AT	CHROMOGENIX	CX	GENBIO	GB
AUROSAN	AUR	CHROMSYSTEMS	CR	GENELAB	GE
AUSDIAGNOSTICS	AUS	CIS (ISOTOPEN-DIAGN.)	IW	GENEMATRIX	GEM
AUTOIMMUN DIAGN.	AI	CLEARTEST DIAGNOSTIK	CLE	GENEPROOF	GP
AVL	AV	CLEARVIEW	CW	GENERIC ASSAYS	GA
AXIOM DIAGNOSTIC	AW	CLINICAL ASSAYS	CS	GENES-4U	GN
AXIS-SHIELD AG	AH	CLONIT	CLO	GENESIG	GEN
AXON LAB	AY	COACHROM	COA	GENETEX	GT
AbD Serotec	ABD	COAMATIC	CM	GENETIC SIGNATURES	GES
Abcam	ABC	CONGEN BIOTECHNOLOGIE GmbH	CF	GENMARK DIAGNOSTICS	GK
Abnova Corp.	ABN	CORGENICS	CE	GENOMICA	GC
B.S.N. Srl Biological Sales Network	BSN	CORIS BIOCONCEPT	CB	GENSCRIPT	GSC
BAG Health Care	BA	COULTER	CU	GENTRA SYSTEMS	GS
BAYER HEALTH (Siemens)	BG	CREATIVE DIAGNOSTICS	CRD	GENTRACK	GET
BAYER VITAL	BY	CREDO DIAGNOSTICS	CRE	GENWAY BIOTECH Inc.	GW
BDL LABORDIAGNOSTIK GmbH	LM	CYTOGNOS	CY	GENZYME GmbH	GD
BECKMAN (OLYMPUS)	OL	DADE BEHRING (Siemens)	BW	GERBION	GH
BECKMAN COULTER	BE	DAKO	DA	GFE BLUT mbH	GF
BECTON DICKINSON	BN	DDV	DV	GOEDECKE	GO
BEHNK ELEKTRONIK	EB	DEMEDITEC	DT	GONOTEC	GQ
BGI	BGI	DENKA SEIKEN	DK	GRADIPORE	GG
BGT BioGenTechnologies	BIO	DEVYSER	DEV	GREINER SCHWEIZ	GZ
BINAX	BI	DIACLONE	DC	GRIFOLS	GL
BINDING SITE,THE	BS	DIAGAST	DJ	GULL	GU
BIO-EVOLUTION	BIE	DIAGCOR	DIC	Greiner Bio-One	GBO
BIOANALYTIC	BIA	DIAGLOBAL	DH	GÜNTER KEUL	KG
BIOCENTRIC	BCT	DIAGNOSTIK NORD GmbH	DD	HAEMOCHROM	HO
BIOCHECK (POLYCHECK)	PC	DIAGON	DIG	HAEMONETICS	HAE
BIOCHROM	BH	DIAGONAL	DB	HAIN LIFESCIENCE	HA
BIOCON	BC	DIALAB	DF	HAL	HL
BIOCYTEX	BIC	DIAMED	DM	HEALGEN SCIENTIFIC	HE
BIOGX	BIX	DIAPRO	DR	HELENA DIAGNOSTIKA	HD
BIOKIT	BB	DIASORIN	DO	HEMAGEN	HG
BIOLABO	BIL	DIASYS	DS	HEMOCUE	HM
BIOLEGEND	BIG	DIATRON	DIA	HISS DIAGNOSTICS	HI
BIOLOGENTECHNOLOGIES	BGT	DIAZYME	DZ	HITACHI	HH
BIOLYTICAL	B2	DIESSE DIAGNOSTICA	DE	HITADO/Nobis	HT
BIOMED	BD	DIGENE	DN	HOLOGIC	HZ
BIOMERIEUX	AX	DLD DIAGNOSTIKA	DX	HUMAN	HU
BIOMETRA	BIT	DPC BIERMANN (Siemens)	DG	HYBRIBIO	HYB
BIONIME	BM	DR.KOCH-DR.MERK	KM	HYCOR	HC

INSTAND - Codes (also for haemostaseology!)

HYPHEN	HY	MIKROGEN	MK	RPC DIAGNOSTIC SYSTEMS	RP
IBL	IB	MILENIA BIOTEC	MZ	RTA LABORATORIES	RTA
ICN BIOMEDICALS	IE	MILLIPORE	ML	SACACE BIOTECHNOLOGIE	SG
IDVET	IVE	MILTENY	MIL	SAMSUNG	SM
IIM	IP	MILTENYI BIOTEC	MQ	SANOPI PASTEUR	PS
IME-DC	IME	MINDRAY	MIN	SANSURE BIOTECH	SAN
IMMUCHROM	IC	MITSUBISHI	MIT	SANTA CRUZ BIOTECHNOLOGY Inc.	SCB
IMMUCOR	IU	MOBIDIAG	MOB	SARSTEDT	SA
IMMUNDIAGNOSTIK	IK	MOLTER	MO	SARTORIUS	SR
IMMUNO	IM	MP BIOMEDICALS	MJ	SAVAYON	SV
IMMUNO MYCOLOGICS / IMMY Lateral I	IMLF	MP DIAGNOSTICS	MS	SCHEBO BIOTECH AG	SH
IMMUNO MYCOLOGICS / IMMY Latex A	IMLA	MRC HOLLAND	MRC	SCIL DIAGNOSTICS	SC
IMMUNODIAGNOSTIC SYSTEMS	ID	MUREX	MX	SCIMEDX	SX
IMMUNOLAB	IN	MÖLAB	MOE	SD BIOSENSOR	SDB
IMTEC	IT	NAL VON MINDEN	MV	SEBIA	SB
IN-HOUSE PRODUCTION	ZX	NANOGEN	NN	SEEGENE	SE
INBIOS INTERNATIONAL	INB	NEUMODX	NE	SERAMUN	SU
INGENASA	ING	NICHOLS INSTITUTE	NI	SERVOPRAX	SP
INGENETIX	IG	NOVA BIOMEDICAL	NV	SHENZHEN YHLO BIOTECH CO	YH
INNOGENETICS	IS	NOVAGNOST (Siemens)	NX	SIEMENS MED.SOLUT.DIAG	SI
INNOTRAIN	IO	NOVARTIS	NT	SIFIN	SF
INOVA DIAGNOSTICS	IA	NOVATEC	NO	SIGMA DIAGNOSTICS	SD
INSTRUMENTATION LAB.	IL	NOVUS BIOMEDICAL	NB	SNIBE DIAGNOSTICS	SNI
INTEX	IX	NUCLEAR LASER MEDICINE S.r.l	NL	SPINREACT	SN
INVICON	IV	OEKONOMED	OK	STAGO	ST
INVITEK	II	OLI	OI	STAGO / TCOAG	TB
INVITROGEN	INV	OMEGA	OA	STANDARD DIAGNOSTICS	S1
IONTEK	ION	OMEGA DIAGNOSTICS (ALLERGO PHA	AL	STATDX	STX
IQ PRODUCTS	IQ	ONE LAMBDA (Thermo Fisher)	OB	STRATAGENE	STG
IRIS International	IR	OPERON	OP	SURE BIO-TECH	SBT
ITC MEDICAL	ITC	ORASURE TECHNOLOGY	OU	SURESCREEN DIAGNOSTICS	SUR
Inmesco	IY	ORGANON TEKNIKA	OT	SYCO MED	SYC
KABE LABORTECHNIK	KL	ORGENICS	OG	SYMEX	SY
KAMIYA BIOMEDICAL	KB	ORGENTEC	OC	Sentinel	SL
KELLER MEDICAL	KE	ORION	ON	TAIDOC TECHNOLOGY CORP	QU
KNAUER	KA	ORTHO CLIN.DIAGN.	OR	TAMIRNA	TAM
KONELAB (Siemens)	KN	OSMETECH / Opti Medical	OS	TECAN	TN
LAB21	LZ	OTHER MANUFACTURERS	ZY	TECHNICON	TE
LABITEC	LE	OXFORD BIOTECHNOLOGIY	OX	TECHNOCLONE	TC
LABOR DIAGNOSTIKA	LD	OXOID	OD	TECO MEDICAL GROUP	TO
LABOR+TECHNIK	LT	PANBIO	PB	TEM INTERNATIONAL	TI
LABSYSTEMS DIAGNOSTICS	LAB	PARTEC	PA	TEST-LINE	TT
LANGE	LA	PATHOFINDER	PT	THERMO SCIENTIFIC	TS
LBM (Copenhagen)	LBM	PENTABASE	PEN	TIB MOLBIOL	TM
LDBIO DIAGNOSTICS	LO	PENTAPHARM	PN	TOSOH BIOSCIENCE	TH
LIFERIVER	LIF	PEQLAB	PQ	TRINITY BIOTECH	TR
LIFESCAN	LS	PERKIN ELMER	PE	TÜRKLAB	TL
LIFESPAN BIOSCIENCES	LB	PFUFF MEDICAL GmbH	PF	UNITED STATES BIOLOGICAL	USB
LINCO	LI	PHADIA (THERMO FISHER SCIENTIFIC	PH	VECTOR BEST	VB
LIOFILCHEM	LIO	PHARMACT AG	PHA	VELA DIAGNOSTICS	VS
LOXO	LX	PREVENTIS	PV	VIDIA	VZ
LRE MEDIZINTECHNIK	LR	PRIMA LAB	PRI	VIENNA LAB	VL
LUMINEX	LU	PRODESSE	PO	VIRAMED	VM
LUMIRADX	LDX	PROGEN	PR	VIRCELL	VC
Labor Dr. Merk	LDM	PROGENIE MOLECULAR	PRM	VIRIMMUN	VI
MACHEREY-NAGEL	MG	PROMEGA	PM	VIRION DEUTSCHLAND	VD
MALINCKRODT	MN	PROTOX	PRO	VIRION/SERION	VR
MARDX	MY	Priv. Inst. f. Immunol. u. Mol.genetik	PIM	VIRO-IMMUN LAB.DIAGN.	VO
MAST DIAGNOSTICA	MA	QIAGEN	QG	VIROTECH DIAGNOSTICS GmbH	VT
MATRITECH	MH	QUALPRO DIAGNOSTICS	QP	VITA	VA
MBL INTERNATIONAL	MBL	QUEST MEDICAL	QM	VITASSAY	VIT
MEDAC	MC	QUIDEL	QI	VIVA (see Inverness Medical)	VIV
MEDIAGNOST	MD	R&D SYSTEMS	RD	VIVACHEK BIOTECH	VCB
MEDIAGNOST	MT	R-BIOPHARM	RB	WAKO	WA
MEDICAL & BIOLOGICAL LAB	MEL	RADIM	RM	WALLAC	WL
MEDIPAN	MP	RADIOMETER	RA	WANTAI BIOLOGICAL	WB
MEDIROX	MED	RANDOX	RX	WESCOR	WE
MEDIX BIOCHEMICA	MM	RATIOGEN	RAG	WONDFO BIOTECH	WO
MEDSAN GMBH	MSN	RAVO DIAGNOSTICA	RV	WUHAN EASYDIAGNOSIS BIOMEDICIN	WU
MEDTRONIC	MET	RAYBIOTECH Inc.	RAY	XIAMEN BOSON BIOTECH	XI
MENARINI	MB	REAGENA	RG	ZEUS SCIENTIFIC	ZS
MERCK	ME	REALY TECH	REA	ZYTOVISION	ZV
MERIDIAN BIOSCIENCE	MR	RECIPE	RE		
MERLIN MEDICAL LEMGO	MML	REMEL	RL		
MICROGEN BIOPRODUCTS	MF	RISA	RI		
MICROGENICS	MI	RIVM (Bilthoven)	RIV		
MICROIMMUNE	MU	ROCHE DIAGNOSTICS	RO		
MICROPOINT	MPT	ROTEM	RT		

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Abbott I-Stat	AB01	Siemens (Bayer Healthcare) Rapidlab 348	BG24
Abbott TDx, FLx	AB07	Siemens (Bayer Healthcare) DCA 2000	BG25
Abbott Cell-Dyn 1200	AB10	Siemens (Bayer Healthcare) Clinitek Atlas	BG50
Abbott Cell-Dyn 1300	AB11	Siemens (Bayer Healthcare) Clinitek, other devices	BG51
Abbott Cell-Dyn 1600/1700	AB12	Siemens (Bayer Healthcare) Advia 120	BG52
Abbott Cell-Dyn 1800	AB13	Siemens (Bayer Healthcare) Advia2120	BG53
Abbott Cell-Dyn 3000	AB14	Siemens (Bayer Healthcare) Advia 2120i	BG54
Abbott Cell-Dyn 3500/3700	AB15	Siemens (Bayer Healthcare) H-Series	BG55
Abbott Cell-Dyn 3200	AB16	Siemens Advia 360	BG56
Abbott Cell-Dyn 4000	AB17	Siemens Advia 560	BG57
Abbott AxSym	AB18	Siemens (Bayer Healthcare) DCA Vantage	BG58
Abbott Architect	AB20	Siemens Advia Centaur CP	BG59
Abbott Cell-Dyn Ruby	AB30	Siemens Advia Centaur XP	BG60
Abbott Cell-Dyn Sapphire	AB31	Siemens Advia Centaur XPT	BG61
Abbott Cell-Dyn Emerald	AB32	Siemens (Bayer Healthcare): other devices	BG99
Abbott Precision Xceed pro	AB43	Boule Medical AC920/970	BIM01
Abbott Freestyle Precision H	AB44	Boule Medical Swelab Alfa/Alfa Plus	BIM02
Abbott Freestyle Precision	AB45	Boule Medical Medonic M-Serie	BIM03
Abbott Prism	AB47	Boule Medical: other devices	BIM99
Abbott: Alinity	AB48	BGT: Hem-o-test 2000	BIO01
Abbott: m2000rt	AB49	BGT: other devices	BIO99
Abbott: Alere i	AB50	Biometra: all devices	BIT98
Abbott: ID NOW	AB51	Braun Omnitest plus	BJ01
Abbott: other devices	AB99	Braun Omnitest 3	BJ03
Accuri: all devices	AC99	Braun: other devices	BJ99
ACEA NovoCyte	ACE01	Bionime Righttst GM300	BM01
ACEA Quanteon	ACE02	Bionime: other devices	BM99
Advanced Instruments: Advanced Osmometer	ADV01	Becton Dickinson Biosciences FACScan	BN01
Advanced Instruments: other devices	ADV99	Becton Dickinson Biosciences FACSCalibur	BN02
Aesku Diagnostics: all devices	AE99	Becton Dickinson Biosciences FACS Canto I	BN03
Agilent Technologies HPLC-systems	AGI01	Becton Dickinson Biosciences FACS Canto II	BN04
Agilent Technologies: other devices	AGI99	Becton Dickinson Biosciences LSR II	BN05
Axis-Shield - Afinion System	AH01	Becton Dickinson Biosciences LSR Fortessa	BN06
Axis-Shield - NycoCard System	AH02	Becton Dickinson Biosciences FACS DIVA	BN07
Axis-Shield: other devices	AH99	Becton Dickinson Biosciences Accuri C6	BN08
Analytik Jena: all devices	AJ98	Becton Dickinson Biosciences FACSVerse	BN09
Altona Diagnostics: AltoStar	AK01	Becton Dickinson Biosciences FACS LYRIC	BN10
Altona Diagnostics: other devices	AK99	Becton Dickinson Biosciences FACS VIA	BN11
Anatolia Geneworks: Montania 484	ANA01	Becton Dickinson: all devices	BN98
Anatolia Geneworks: other devices	ANA99	Becton Dickinson: other devices	BN99
Applied Biosystems - TaqMan	AP01	Biosite Triage System	BO01
Applied Biosystems - API mass spectrometry	AP02	Biosite: other devices	BO99
Applied Biosystems - SCIEX QTRAP 5500	AP03	BodiTech i-Chroma	BOD01
Applied Biosystems: ABI GeneAmp PCR system	AP04	Bio-Rad Variant II	BR01
Applied Biosystems: ABI Real-Time PCR system	AP05	BioRad: Tango	BR02
Applied Biosystems: QuantStudio 5	AP06	BioRad: HemOS	BR03
Applied Biosystems: QuantStudio Dx	AP07	BioRad: IH-1000	BR04
Applied Biosystems: StepOne Plus	AP08	BioRad: Techno TwinStation	BR05
Applied Biosystems: other devices	AP99	BioRad: D-10	BR06
BioMérieux Vidas	AX01	BioRad EVOLIS	BR07
BioMérieux Hemolab	AX03	BioRad Autoblott	BR08
Biomerieux: BioFire FilmArray	AX04	Bio-Rad Variant II Turbo	BR09
Biomerieux: all devices	AX98	Bio-Rad Variant II Dual	BR10
BioMérieux: other devices	AX99	BioRad: D-100	BR11
Axon Lab Hitachi S40/M40	AY01	BioRad: IH-500	BR12
Axonlab Fastpack	AY02	BioRad: QX200 Droplet Digital PCR System	BR13
Axonlab microINR	AY03	BioRad: CFX	BR14
Axon Lab: other devices	AY99	BioRad: all devices	BR98
Biokit: all devices	BB99	Bio-Rad: other devices	BR99
Beckman: PK 7300	BE01	Binding Site: SPA plus	BS01
Beckman Paragon Systeme	BE15	Binding Site Optilite	BS02
Beckman Paragon CZE 2000	BE16	Binding Site: other devices	BS99
Beckman Immage-Systeme	BE51	BST Glukometer 3000	BST01
Beckman Synchron CX-Systeme	BE80	BST Glukometer pro	BST02
Beckman Synchron LX-Systeme	BE81	BST: other devices	BST99
Beckman Unicel DX-System	BE82	Siemens (Dade-Behring) BEP III	BW03
Beckman Unicel DxC-System	BE83	Siemens (Dade-Behring) Nephelometer	BW04
Beckman Access	BE85	Siemens (Dade Behring) Turbitimer	BW07
Beckman: other devices	BE99	Siemens (Dade-Behring) BN Prospec	BW08
Siemens (Bayer Healthcare) Advia	BG07	Siemens (Dade-Behring) Dimension	BW09
Siemens (Bayer Healthcare) Advia 1800	BG08	Siemens (Dade-Behring) Dimension Vista	BW13
Siemens (Bayer Healthcare) ACS 180	BG16	Siemens (Dade-Behring) BCS / BCS XP	BW15
Siemens (Bayer Healthcare) Centaur	BG17	Siemens (Dade-Behring) CA-systems	BW16
Siemens (Bayer Healthcare) Rapidpoint 400, 405, 500	BG20	Siemens (Dade-Behring) BFT II	BW17
Siemens (Bayer Healthcare) Rapidlab 1200	BG21	Siemens (Dade-Behring) CS-2000i / CS-2100i	BW18
Siemens (Bayer Healthcare) Rapidlab 800	BG22	Siemens (Dade-Behring) CS-5100	BW19
Siemens (Bayer Healthcare) Rapidlab 248	BG23	Siemens (Dade-Behring) BN II	BW20

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Siemens (Dade-Behring) Viva-E	BW21	Eurolyser Smart 700/340	EL01
Siemens (Dade-Behring) Atellica COAG 360	BW22	Eurolyser Smart 540	EL02
Siemens: BEP 2000	BW23	Eppendorf: Mastercycler nexus	EP01
Siemens (Dade-Behring) Atellica NEPH 630	BW24	Eppendorf: other devices	EP98
Siemens (Dade-Behring) CS2500	BW25	Eppendorf: all devices	EP99
Siemens (Dade-Behring): other devices	BW99	Euroimmun: Euroscan	ER01
Bayer Vital Contour	BY01	Euroimmun: Analyzer I	ER02
Bayer Vital Breeze2	BY02	Euroimmun: Euroblot	ER03
Bayer Vital Contour XT	BY03	Euroimmun: EUROLabWorkstation	ER04
Bayer Vital: other devices	BY99	Euroimmun: other devices	ER99
Care Diagnostica EcoSolo	CD01	Eschweiler System 2000	ES01
Care Diagnostica EcoSolo II	CD02	Eschweiler: other devices	ES99
Care Diagnostica: other devices	CD99	EliTech: Ingenius	ET01
Cepheid: all devices	CI98	EliTech: other devices	ET99
Credo Diagnostics: Vita PCR	CRE01	Fujirebio LUMIPULSE G600	FJ01
Credo Diagnostics: other devices	CRE99	Fujirebio LUMIPULSE G1200	FJ02
Beckman Coulter MD-series	CU12	Fujirebio : other devices	FJ99
Beckman Coulter MAX M/AL	CU13	Fujizoki (Fujirebio) AutoBlot	FU01
Beckman Coulter ONYX, ONYX / AL	CU14	Fujizoki (Fujirebio) Auto-LIA	FU02
Beckman Coulter HmX	CU15	Fujizoki (Fujirebio) Auto-LIPA	FU03
Beckman Coulter STKR/STKS	CU33	Fujizoki (Fujirebio): other devices	FU99
Beckman Coulter AC*T-series	CU34	Grifols: Erythra	GL01
Beckman Coulter GEN*S	CU35	GeneProof: croBEE Real-Time PCR System	GP01
Beckman Coulter AC.T5 Diff-series	CU36	GeneProof: other devices	GP99
Beckman Coulter LH 500	CU37	Gonotec Osmomat 030 / 3000	GQ01
Beckman Coulter LH 750/780	CU38	Gonotec Osmomat 050	GQ02
Beckman Coulter UniCel DxH 900 / DxH 800 / DxH 600	CU39	Gonotec: other devices	GQ99
Beckman Coulter Epics	CU40	Diasys Deutschland (Greiner): other devices	GR99
Beckman Coulter FC500	CU41	Hain: all devices	HA98
Beckman Coulter Gallios	CU42	Haemonetics TEG 5000	HAE01
Beckman Coulter Navios	CU43	Haemonetics: other devices	HAE99
Beckman Coulter Cyan	CU44	Helena: Actalyke Mini II	HD01
Beckman Coulter Cellios	CU45	Helena: Cascade Abrazzo	HD02
Beckman Coulter Astrios	CU46	Helena Rapid Electrophoresis (REP)	HD03
Beckman Coulter Cytoflex	CU47	Helena: other devices	HD99
Beckman Coulter DxH 500	CU48	HemoCue Glucose 201+	HM01
Beckman Coulter CytoFLEX	CU49	HemoCue B-Glucose-Analyzer	HM02
Beckman Coulter CytoFLEX S	CU50	HemoCue B-Hemoglobin	HM03
Beckman Coulter CytoFLEX LX	CU51	HemoCue Hb 201 DM	HM04
Beckman Coulter Aquios CL	CU52	HemoCue Donor Hb Checker	HM05
Beckman Coulter: other devices	CU99	HemoCue Donor Hb 301	HM06
Diesse Chorus	DE01	HemoCue 201+	HM07
Diesse: other devices	DE99	HemoCue HbA1c 501	HM08
Siemens (DPC Biermann) Immulite	DG01	HemoCue: other devices	HM99
Siemens (DPC Biermann) Immulite 2000	DG02	Brahms Kryptor	HN01
Siemens (DPC Biermann) Immulite Turbo	DG03	Brahms: other devices	HN99
Siemens (DPC Biermann) Immulite 2500	DG04	Horiba ABX/AXON-Lab (Roche) Micros 45/60 OT/CT	HO01
Siemens (DPC Biermann): other devices	DG99	Horiba ABX/AXON-Lab (Roche) Micros CRP 100/200	HO02
Diatron Abacus 5	DIA01	Horiba ABX/AXON-Lab (Roche) Pentra 120	HO03
Diatron Abacus Junior / 30	DIA02	Horiba ABX/AXON-Lab (Roche) Pentra DF/DX 120	HO04
Diatron: Gemini (Stratec)	DIA03	Horiba ABX/AXON-Lab (Roche) Pentra 60/60C+	HO05
Diatron: other devices	DIA99	Horiba ABX/AXON-Lab (Roche) Pentra 80/80XL	HO06
Diagast: Qwalys	DJ01	Horiba Microsemi CRP	HO07
Diamed CD-X	DM01	Horiba Yumizen H500/H550	HO08
Diamed: other devices	DM99	Yumizen H2500/H1500	HO09
Diasorin Liaison	DO01	Horiba ABX/AXON-Lab (Roche): other devices	HO99
Diasorin Liaison XL	DO02	Hitado Super GL	HT01
Diasorin ETI-Max 3000	DO03	Hitado Super GL easy	HT02
DiaSorin: LIAISON MDX	DO04	Hitado Super GL ambulance	HT03
Diasorin Liaison XS	DO05	Hitado Dimex junior	HT04
Diasorin: other devices	DO99	Hitado Super GL	HT05
Diasys respons 910	DS01	Hitado: other devices	HT99
Diasys: other devices	DS99	Human: other devices	HU99
Dytrex (Infopia) Easy Gluco	DY01	Hologic: Panther	HZ01
Dytrex (Infopia) Finetest	DY02	Hologic: other devices	HZ99
Dytrex (Infopia) endire	DY03	IDS-iSYS	ID01
Dytrex (Infopia): other devices	DY99	Immundiag. Systems: other devices	ID99
Behnk Elektronik Coagulator CM -2,-4,-8	EB01	Instrumentation Laboratory ACL Classic / ACL Elite/Pro	IL02
Behnk Elektronik Thrombotimer -1,-2,-4	EB02	Instrumentation Laboratory ACL-Futura / Advances /Top	IL03
Behnk Elektronik Coagulometer CL -4,-8	EB03	Instrumentation Laboratory GEM PCL Plus	IL04
Behnk Elektronik Thrombolyzer Systeme	EB04	Instrumentation Laboratory AcuStar / BioFlash	IL05
Behnk Elektronik Thrombostat 1/2	EB05	Instrumentation Laboratory ARIES	IL06
Behnk Elektronik: other devices	EB99	Instrumentation Laboratory: GEM Premier 3000 series	IL07
Enicor ClotPro	EC01	Instrumentation Laboratory: GEM Premier 4000 series	IL08
EKF Biosen	EK01	Instrumentation Laboratory: GEM Premier 5000 series	IL09
EKF Quo-Test	EK02	Instrumentation Laboratory: other devices	IL99
EKF Quo-Lab	EK03	IME-DC	IME01
EKF: other devices	EK99	IME-DC Fidelity	IME02

INSTAND - Codes (also for haemostaseology!)

IME-DC iDia	IME03	Novartis: Procleix	NT98
IME-DC: other devices	IME99	Novartis: other devices	NT99
In Vitrogen	INV	Nova STAT-Profile 1-10	NV01
IRIS iChem 100	IR01	Nova STAT-Profile Ultra	NV02
IRIS iChem Velocity	IR02	Nova STAT-Profile M	NV03
IRIS: other devices	IR99	Nova pHox, pHox-Plus, pHox-Plus L	NV04
Avoximeter 1000e	ITC01	Nova CCX (Critical Care Express)	NV05
Immucor: Echo	IU01	Nova Xpress	NV10
Immucor: Galileo	IU02	Nova StatStrip	NV11
Immucor: Neo	IU03	Nova: other devices	NV99
Johnson & Johnson: Vitros 5.1 FS	JJ01	Orgentec Alegria	OC01
Johnson & Johnson: Vitros ECQ	JJ02	Orgentec: other devices	OC99
Johnson & Johnson: Vitros 250	JJ03	BECKMAN (OLYMPUS) AU-Systeme	OL01
Johnson & Johnson: Vitros 350	JJ04	BECKMAN (OLYMPUS): other devices	OL99
Johnson & Johnson: Vitros 750	JJ05	Orion Quikread	ON01
Johnson & Johnson: Vitros 950	JJ06	Orion Quikread 101	ON02
Johnson & Johnson: Vitros DT60	JJ07	Orion Quikread go	ON03
Johnson & Johnson: Vitros DT60 II	JJ08	Orion: other devices	ON99
Johnson & Johnson: Vitros 5600	JJ09	Ortho Diagnostics Cytoron absolute	OR01
Johnson & Johnson: Vitros other devices	JJ99	Ortho: AutoVue	OR02
Knauer Osmometer automatic	KA01	Ortho: AutoVue	OR03
Knauer: other devices	KA99	Ortho Diagnostics: other devices	OR99
Keller Medical Hemochron Jr. Signature	KE01	Opti Medical / Osmetech Opti CCA	OS01
Keller Medical Hemochron Jr. Signature+	KE02	Opti Medical / Osmetech Opti CCA TS	OS02
Keller Medical Hemochron Elite	KE03	Opti Medical / Osmetech Opti 1	OS03
Keller Pro Time Inrhythm	KE04	Opti Medical / Osmetech Opti R	OS04
Keller Medical Hemochron: other devices	KE99	Opti Medical / Osmetech: other devices	OS99
Günther Keul Hem-o-test 5000 CRP	KG01	Partec CyFlow SL	PA01
Siemens (Kone) AC920	KN02	Partec PAS	PA02
Siemens (Kone) AC970	KN03	Partec CyFlow ML	PA03
Konelab: all devices	KN98	Partec CyFlow Space	PA04
Siemens (Kone): other devices	KN99	Partec: other devices	PA99
Lange Miniphotometer LP20	LA01	Phadia: all devices	PH99
Lange LP 700	LA02	PeqLab: all devices	PQ98
Lange LP 400	LA12	Perkin Elmer: all devices	PR98
Lange: other devices	LA99	QBC+	QB01
LumiraDx	LDX01	QBC II	QB02
LabiTec Coa Data 4004	LE01	QBC II plus	QB03
LabiTec: other devices	LE99	QBC Reference	QB04
Lifescan One Touch Basic	LS01	QBC Autoread	QB05
Lifescan One Touch Vita	LS02	QBC Automated Reader with Accutube Software	QB06
Lifescan One Touch Ultra Easy	LS03	QBC Star	QB07
Lifescan One Touch Ultra 2	LS04	QBC: other devices	QB99
Lifescan One Touch Ultra Smart	LS05	Qiagen: RotorGene	QG01
Lifescan One Touch Profile	LS06	Qiagen: other devices	QG99
Lifescan One Touch Hospital	LS07	Quest Medical ACTester	QM01
Lifescan One Touch other devices	LS99	Quest Medical: other devices	QM99
Luminex: MAGPIX	LU01	Quo-Test	QU01
Luminex: other devices	LU99	Monometer Advance	QU02
Menarini Aution Max	MB01	Medpro Maxi/mini	QU03
Menarini Aution Jet	MB02	Taidoc Technology Corp: other devices	QU99
Menarini Aution Micro	MB03	Radiometer ABL 5, BPH 5	RA01
Menarini HA-8160	MB04	Radiometer ABL 505 / 555	RA02
Menarini HB-9210	MB05	Radiometer ABL 50-520,600-625,EML 100 / 105	RA03
Arkray Adams A1c HA-8180 V (Axon- Lab)	MB06	Radiometer ABL 700-735, 800-835	RA04
Arkray Adams A1c HA-8180 T (Axon- Lab)	MB07	Radiometer ABL 77 / 80	RA05
Arkray Adams A1c HA-8380 V (Axon- Lab)	MB08	Radiometer OSM 2/3	RA06
Menarini GlucoMen LX	MB10	Radiometer ABL 90	RA07
Menarini GlucoMen Visio	MB11	Radiometer NPT 7	RA08
Menarini: other devices	MB99	Radiometer AQT 90	RA09
Medtronic ACT Plus	MET01	Radiometer: other devices	RA99
Milteny MACSQuant	MIL01	Radim Alisei	RM01
Milteny: other devices	MIL99	Radim: other devices	RM99
MINDRAY: all devices	MIND99	Roche (AVL) 900er series	RO01
Mitsubishi Pathfast (POCT)	MIT01	Roche (AVL) Compact 1-3	RO02
Mikrogen Profiblot	MK01	Roche (AVL) Omni 1-9	RO03
Mikrogen Dynex DSX	MK02	Roche Cobas b 121 (Omni C)	RO04
Mikrogen Dynex Dynablot	MK03	Roche Cobas b 221 (Omni S)	RO05
Mikrogen Dynex DS2	MK04	Roche Coasys	RO07
Mikrogen: other devices	MK99	Roche Coasys plus C	RO08
Merlin Medical Lemgo Ball-Coagulometer MC-devices	MM01	Roche Cobas h232 (Cardiac Reader)	RO09
Merlin Medical Lemgo: other devices	MM99	Roche/Stago STA / STA-Compact / Compact-Max	RO10
Micropoint qLabs	MPT01	Roche/Stago STA-R / STA-R Evolution / STA-R Max	RO11
Miltenyi Biotec: MACSQuant	MQ01	Roche Hitachi-Systeme	RO24
NeuMoDx: Molecular System	NE01	Roche Accu-Chek Compact plus	RO30
NeuMoDx: other systems	NE99	Roche Accu-Chek Mobile	RO31
Nihon Kohden MEK 6108G	NK02	Roche Accu-Chek Aviva	RO32
Nihon Kohden: other devices	NK99	Roche Accu-Chek Aviva nano	RO33

INSTAND - Codes (also for haemostaseology!)

Roche Accu-Chek Active	RO34	Sysmex XN1000	SY32
Roche Accu-Chek Go	RO35	Sysmex XP-300	SY41
Roche Accu-Chek Performa	RO36	Sysmex XN3000	SY42
Roche Accu-Chek Inform	RO37	Sysmex XS 500i	SY43
Roche Accu-Chek Inform II	RO38	Sysmex XN-350	SY44
Roche Accu-Chek Sensor	RO39	Sysmex XN-450	SY45
Roche Accutrend plus	RO40	Sysmex XN-550	SY46
Roche CoaguChek XS	RO41	Sysmex CyFlow Cube 6	SY47
Roche CoaguChek S	RO42	Sysmex CyFlow Cube 8	SY48
Roche CoaguChek Pro II	RO43	Sysmex UC-1000	SY49
Roche Integra-Systeme	RO46	Sysmex XN-330	SY50
Roche Elecsys-Systeme/Cobas e602	RO50	Sysmex XN-31	SY51
Roche Modular-systems	RO55	Sysmex XN-20	SY52
Roche Cobas (6000) System (c501/502/e601)	RO56	Sysmex XN-1500	SY53
Roche ES devices	RO57	Sysmex XN-3100	SY54
Roche Cardiac reader	RO58	Sysmex XN-9100	SY55
Roche: Light Cyclor	RO59	Sysmex UC-3500	SY56
Roche: TaqMan	RO60	Sysmex: other devices	SY99
Roche Miditron	RO70	Stago/Tcoag (Trinity Biotech) KC4	TB01
Roche Cobas (8000) System (c701/702)	RO71	Stago/Tcoag (Trinity Biotech) KC4A	TB02
Roche Cobas b 123	RO72	Stago/Tcoag (Trinity Biotech) AMAX 190/200/400 mechanical testi	TB03
Roche Cobas 4000 System	RO73	Stago/Tcoag (Trinity Biotech) AMAX 190/200/400 optical testing	TB04
Roche Urisys 1100	RO80	Stago/Tcoag (Trinity Biotech) Destiny Plus/Destiny MAX optical te	TB05
Roche Urisys 1800	RO81	Stago/Tcoag (Trinity Biotech) Destiny Plus/Destiny MAX mechanic	TB06
Roche Urisys 2400	RO82	Stago/Tcoag (Trinity Biotech) KC - 10	TB07
Roche Cobas u411	RO83	Stago/Tcoag (Trinity Biotech) KC - 40	TB08
Roche Cobas m511	RO84	Stago/Tcoag (Trinity Biotech) Option-devices	TB09
Roche Cobas t411	RO85	Stago/Tcoag (Trinity Biotech) Thrombolzyer-devices	TB10
Roche Cobas c513	RO86	Stago/Tcoag (Trinity Biotech) Coagulometer Schnitger-Gross	TB11
Roche Cobas e411	RO87	Trinity Biotech: other devices	TB99
Roche Cobas (8000) System (e801)	RO88	Technoclone Thrombotrack -1,-4,-8	TC01
Roche Cobas t511 / t711	RO89	Technoclone: other devices	TC99
Roche: Amplicor	RO90	Tosoh G7	TH01
Roche: Cobas e601	RO91	Tosoh G8	TH02
Roche: Cobas Liat	RO92	Tosoh AIA600-II	TH03
Roche: Cobas 6800	RO93	Tosoh AIA2000	TH04
Roche: cobas s201	RO94	Tosoh AIA360	TH05
Roche Accu-Check Guide	RO95	Tosoh G 11	TH06
Roche: Cobas 4800	RO96	Tosoh GX	TH07
Roche: other devices	RO99	Tosoh AIA900	TH08
Rotem Sigma	RT01	Tosoh: other devices	TH99
Rotem: alle devices	RT99	Tecan Sunrise	TN01
Sarstedt: ElphoScan (mini)	SA01	Tecan RPM	TN02
Sarstedt: Elphor system	SA02	Tecan Genesis	TN03
Sarstedt: other devices	SA99	Tecan: ProfiBlot	TN04
Sebia: Hydrasys	SB01	Tecan Evolizer	TN05
Sebia: Capillarys	SB02	Tecan: other devices	TN99
Sebia: Minicap	SB03	TECO Coatron-M/A-Series	TO01
Sebia: Capillarys 2	SB04	TECO Dimex junior	TO02
Sebia: Capillarys 3	SB05	TECO: other devices	TO99
Sebia: other devices	SB99	Thermo Scientific: all devices	TS98
Siemens Atellica CH	SI02	Vircell: VirClia	VC01
Siemens Atellica IM	SI03	Vircell: VirClia	VC02
Siemens: Versant	SI04	Vircell: other devices	VC99
Siemens: Atellica NEPH 630	SI05	Virion/Serion Immunomat	VR01
Siemens: other devices	SI99	Virion/Serion: other devices	VR99
Samsung: LABGEO PT10	SM01	Sekisui Virotech Coapresta2000	VT01
Samsung: LABGEO IB10	SM02	Sekisui Virotech: other devices	VT99
Samsung: LABGEO HC10	SM03	Alere EPOC	VV01
STAGO STart Max	ST01	Alere INRatio	VV02
STAGO: other devices	ST99	Alere: other devices	VV99
Stratagene: all devices	STG98	Wescor: Vapro-systems	WE01
Sysmex CC130, 150, 170,180, F300, 500, 520, 800, 820	SY02	Wescor: other devices	WE99
Sysmex M2000,K800, 1000, 4500	SY06	Wondfo Biotech Finecare Analyser	WO01
Sysmex SE9000, 9500	SY07	manual performance	ZY95
Sysmex XE2100	SY08	other (please indicate in comment)	ZY98
Sysmex SF3000	SY13	Other devices	ZY99
Sysmex KX21	SY14		
Sysmex poch-100i	SY15		
Sysmex XT1800i, 2000i	SY16		
Sysmex XS800i	SY20		
Sysmex XS1000i	SY21		
Sysmex XE5000	SY22		
Sysmex K1000	SY27		
Sysmex K4500	SY28		
Sysmex XT4000i	SY29		
Sysmex XN9000	SY30		
Sysmex XN2000	SY31		

Important general comments for the implementation of the EQA schemes.

Reconstitution of lyophilized material

The bottle must be opened carefully without loss of material. Add exactly the volume of distilled water indicated on the label to each vial. Replace stopper and hold it firmly in place. Rotate the vial gently. DO NOT SHAKE. Reconstitution time is up to 30 minutes at room temperature. The reconstituted sample must be handled like patient samples.

Please refer to the relevant information document for supplementary or deviating instructions.

No. 100 Clinical Chemistry

Recommendation - Clinical Chemistry (alk. Phosphatase).

Keep the reconstituted sample for one hour at +25°C before measurement of alkaline phosphatase.

Recommendation - Clinical Chemistry, estimation of Creatine Kinase.

We recommended to analyse Creatine Kinase as soon as possible after reconstitution!

Stability

Typical stability of constituents in reconstituted serum: at +25°C at least 8 hours; at +4°C at least 3 days; at -20°C at least 1 month (to be frozen only once).

Stability of bilirubin in serum stored in the dark: at +25°C at least 2 hours; at +4°C at least 6 hours; at -20°C at least 2 weeks (to be frozen only once). ATTENTION: Bilirubin is light sensitive!

Entry of the results

Method, reagent and instrument are entered into the fields on the coded forms. You will find the analysis key for methods and the key for reagents in this commentary. The entries in the indicated fields are important for the correct classification of results for a defined group for assessment. If other methods, reagents, or instruments have been used, which are not listed in the key, please indicate the reagents used. The fields for results are for entering your analytical results.

**No. 456 Parasite diagnostic:
Microscopic examination for blood parasites**

Sample 456/51

Thin smear, Giemsa stained

The blood sample was donated by a young female who lives in Germany. She returned with fever from an extended stay in Benin and presented herself at the emergency department a few days after. In Benin she had been treated for Malaria with artesunate 4 months before her return to Germany.

Sample 456/52

Thin and Thick Smear, Giemsa stained

The blood sample was donated by a German, who presented herself at the hospital with fever, joint and abdominal pains after a stay in Kenia.

Leucocytes 6.8 G/l.

**No. 457 Parasite diagnostic:
Detection of toxoplasma gondii (PCR)**

Remarks

The quality control panel contains four samples (No. 51, 52, 53, 54) which were designed as follows: 200 µl amniotic fluid diluted in buffer for stabilization and – in case of a positive sample – Toxoplasma-DNA (total volume 400µl). Upon receipt, the samples should be stored at 2- 8°C.

Sample preparation

Before use the samples should be mixed well (thoroughly vortexed!); thereafter, they can be used like native clinical material. Please, employ the routine methods usually applied in your laboratory.

Reporting of results

Please, online!

Instand Survey Haemostasis

Important comments

Only for German laboratories concerning the Guidelines of the German Medical Association

According to state regulations it is mandatory to participate in proficiency testing four times a year - every three months - in Germany ("Richtlinien der Bundesärztekammer, "RiliBÄK).

There are no state regulations for the groups 222 to 505.

Target ranges are defined for some parameters: relative deviations of the target value of 18% for APTT and 23% for PT are accepted, respectively.

Haemostasis 06 group 226 D-Dimer and Haemostasis 17 Compact group 285 D-Dimer

Due to the lack of international reference standards, depending on the calibration method and the test kit / device, the concentration of D-dimers is expressed in ng/ml D-Dimer (D-D units) or ng/ml Fibrinogen equivalent units (FEU). Both can also be given in µg/l or mg/l.

Please follow strictly the instruction of your reagents manufacturer or device.

In order to ensure proper evaluation of your results, there is a separate evaluation concerning D-Dimer and FEU results, as we reported in previous surveys.

The equivalence between these two measurement units is approximately $2\mu\text{g FEU/l} = 1\mu\text{g D-D units/l}$.

In our proficiency testing the D-dimers have to be specified in µg/l D-D units, respectively µg/l FEU.

1. Coding

Please never leave the key fields "device" and "method", "test kit" and "reagent manufacturer" empty in the online input mask and always compare the plain text with your current routine method.

Otherwise, there is a risk that you will be incorrectly assessed due to incorrect or missing device and method assignments and possibly not receive a certificate.

2. Whole blood methods

For methods using whole blood in routine use, we are sending a citrated sample for proficiency testing. This sample has to be re-calcified with calcium chloride solution at starting of measurement, if the routine reagent contains not enough CaCl₂. For example, the Thrombotest reagent has to be diluted with calcium chloride solution (3.2 mMol/L) instead of distilled water (aqua dest.).

Additionally, you have to follow specific dilution steps which allows the usage of the survey sample instead of human whole blood or citrated plasma. e.g.:

a) Venous citrated blood (Normotest and Thrombotest, Diluted sample 1:1.67 with physiological NaCl solution (3 parts sample + 2 parts NaCl/0.9%)

b) Capillary citrated blood (STA-Hepato-Prest): Diluted sample 1:1.5 with physiological NaCl solution (2 parts sample + 1 parts NaCl/0.9%) or alternatively: 20 µL of (2+1)diluted sample + 100 µL citrated buffer (or 10 µL + 50 µL (Mikro)

¹⁺² STA-Hepato Prest (120 or 60 µL capillary citrated

² CoaguQuick capillary blood

³ TEClot PT-B

¹ Other whole blood methods

¹ For whole blood methods 0.2 mL of the survey sample have to be further diluted with 0.1 mL Owren's buffer (Hepatoquick) or physiological NaCl solution (Normotest, Thrombotest) to be used instead of whole blood. Thrombotest reagent has to be reconstituted with calcium chloride solution.

² 20 µL of the (2+1) dilution with Owren's buffer are further diluted with 100 µL (1:5 dilution with citrated buffer. For PT measurement only, the sample can be diluted with 1.5 mL distilled water (instead of 1.0 mL) – with no further dilution.

³ Dilute survey sample with 1.7 mL or 1.0 mL, alternatively, and further dilute 3:2 with NaCl 0.9% (e.g. 300 µL plasma + 200 µL NaCl)

Dilute sample to be measured like the whole blood method (15 µL sample + 150 µL reagent) with the Dimex Jr. analyzer.

For PT- and INR measurement on POCT analyzer we offer a separate survey with a whole blood method! If you are using a POCT method please register for group 286 (and not for group 221)!

Please register for participation in the EQA scheme No. 286 and not in No. 221!

When changing instruments or reagents, please always correct the details entered in the online input mask for "Method" and "Test kit" as well as the details for "instrument" and "Reagent manufacturer".

For any further queries, don't hesitate to contact Mrs. Kutsch kutsch@instand-ev.de“

We wish you much success !