

ESFEQA Guideline for Method Key Selection

Program: Clinical Chemistry



Version: 06.2021

Analyte	Abbott Architect c-Module	Beckman Coulter AU-series	BioSystems	Erba Mannheim	Fortress Reagents	Human	Mindray	Ortho Vitros	Roche Cobas c-Module/Integra	Siemens Advia	Siemens Dimension	Default Unit	Alternative Units
ACID PHOSPHATASE	Naphthyl- <i>p</i> -Nitro-phenylphosphate 266				Fast Red 100067	Naphthyl- <i>p</i> -Nitro-phenylphosphate 266		Naphthyl- <i>p</i> -Nitro-phenylphosphate 266	Naphthyl- <i>p</i> -Nitro-phenylphosphate 266	Thymolphthalein monophosphate (TMP) 100363	Thymolphthalein monophosphate (TMP) 100363	U/L	µkat/L
ALBUMIN	Bromo cresol green 165 Bromo cresol purple 267	Bromo cresol green 165	Bromo cresol green 165	Bromo cresol green 165	Bromo cresol green 165	Bromo cresol green 165	Bromo cresol green 165	Bromo cresol green 165	Bromo cresol green 165	Bromo cresol purple 267	Bromo cresol purple 267	g/L	g/dL mg/dL
ALP	AMP-Buffer (IFCC) 299	AMP-Buffer (IFCC) 299	AMP-Buffer (IFCC) 299, DEA-Buffer (DGKC) 306	AMP-Buffer (IFCC) 299, DEA-Buffer (DGKC) 306	AMP-Buffer (IFCC) 299, DEA-Buffer (DGKC) 306	AMP-Buffer (IFCC) 299, DEA-Buffer (DGKC) 306	AMP-Buffer (IFCC) 299, DEA-Buffer (DGKC) 306	AMP-Buffer (IFCC) 299, DEA-Buffer (DGKC) 306	AMP-Buffer (IFCC) 299	AMP-Buffer (IFCC) 299, DEA-Buffer (DGKC) 306	AMP-Buffer (IFCC) 299	U/L	µkat/L
ALT	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	without Pyridoxalphosphate 22	IFCC 131; DGKC Method 2	without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	U/L	µkat/L
AMYLASE	G3-CNP 7	G3-CNP 7	EPS 3; G3-CNP 7	G3-CNP 7	EPS 3; G3-CNP 7	G3-CNP 7	EPS 3	Colorimetric 268	EPS 3	G7PNP 100035	G3-CNP 7	U/L	µkat/L
AST	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with Pyridoxalphosphate 100014	IFCC 131	without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 22/ without Pyridoxalphosphate 100014	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	U/L	µkat/L
BILIRUBIN DIRECT	DPD 69	DPD 69	Diazo reaction 100012	Walter-Gerarde 270	Vanadate Methode 276	Diazo reaction 100012, DPD 69	DPD 69	Calculated 241	Diazo reaction 100012	Vanadate 276	Diazo reaction 100012	µmol/L	mg/dL
BILIRUBIN TOTAL	Diazo reaction 100012	DPD 69	Diazo reaction 100013	Walter-Gerarde 270	Vanadate Methode 276	Diazo reaction 100012, DPD 69	DPD 69	Diazo reaction 100012	Diazo reaction 100012	Vanadate 276	Diazo reaction 100012	µmol/L	mg/dL
CALCIUM	Arsenazo 116	Arsenazo 116	Arsenazo 116 Cresolphthalein 73 Methylthymol blue 74	Arsenazo 116	Arsenazo	Cresolphthalein 73	Arsenazo 116	Arsenazo 116	NM-Bapta 17	Arsenazo 116	Cresolphthalein 73	mmol/L	mg/dL
CHLORIDE	Ion selective electrode 151	Ion selective electrode 151		Ion selective electrode 151	Colorimetric 268	Colorimetric 268, Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	mmol/L	mg/dL
CHOLESTEROL	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	mmol/L	mg/dL
CHOLINESTERASE	Butyrylthiocholin 110	Butyrylthiocholin 110			Butyrylthiocholin 110			Butyrylthiocholin 110	Butyrylthiocholin 110	Butyrylthiocholin 110	Butyrylthiocholin 110	U/L	µkat/L
CK	IFCC Method 131	IFCC Method 131	IFCC Method 131	IFCC Method 131	IFCC 131; DGKC Method 2	IFCC Method 131, DGKC Method 2	IFCC Method 131	Creatine Phosphate/GK	IFCC Method 131	IFCC Method 131	IFCC Method 131	U/L	µkat/L
CREATININE	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123 Enzymatic 82	Enzymatic 82	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123 Enzymatic 82	µmol/L	mg/dL
GGT	IFCC Method 131	IFCC Method 131	IFCC Method 131	IFCC Method 131	Carboxy	IFCC Method 131	IFCC Method 131	IFCC Method 131	IFCC Method 131	IFCC Method 131 Szasz 100016	IFCC Method 131	U/L	µkat/L
GLUCOSE	Hexokinase 60	Hexokinase 60	GOD/PAP 59 Hexokinase 60	GOD/PAP 59	GOD/PAP 59 Hexokinase 60	GOD/PAP 59 Hexokinase 60	GOD/PAP 59 Hexokinase 60	GOD/PAP 59	Hexokinase 60	GOD/PAP 59 Hexokinase 60	Hexokinase 60	mmol/L	mg/dL
HDL CHOL.	CHOD/DSBmT 100017	Direct without precipitation 278	Direct without precipitation 278 Precipitation Method 100068	CHOD/PAP 169	Direct without precipitation 278	Direct without precipitation 278, Precipitation Method 100068	CHOD/PAP 169	CHOD/PAP 169	Trinder/PAP 19	CHOD/PAP 169	CHOD/PAP 169	mmol/L	mg/dL
IRON	Ferene 100018	Colorimetric 268	Chromazurol 304 Ferrozine 135	Ferrozine 135	Ferrozine 135	Chromazurol 304 TPTZ 275	Ferrozine 135	Colorimetric 268	Ferrozine 135	Ferrozine 135	Ferrozine 135	µmol/L	µg/dL
LACTATE	Lactate Oxidase 100022	Lactate Oxidase 100022			Enzymatic 82			Lactate Oxidase 100022	Lactate Oxidase 100022	Lactate Oxidase 100022	Lactate Dehydrogenase (LDH) 100379	mmol/L	mg/dL
LDH	IFCC Method 131 (L=>P)	IFCC Method 131 (L=>P)	IFCC Method 131 (L=>P) DGKC Method 2 (P=>L)	DGKC Method 2 (P=>L)	DGKC Method 2 (P=>L)	IFCC Method 131 (L=>P)	IFCC Method 131 (L=>P)	IFCC Method 131 (L=>P) DGKC Method 2 (P=>L)	IFCC Method 131 (L=>P)	IFCC Method 131 (L=>P) DGKC Method 2 (P=>L)	IFCC Method 131 (L=>P)	U/L	µkat/L
LDL CHOL.	CHOD/PAP 169	CHOD/PAP 169	Direct without precipitation 278 Precipitation Method 100068	Trinder/PAP 19	Direct without precipitation 278	Direct without precipitation 278	CHOD/PAP 169		CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	mmol/L	mg/dL
LIPASE	Colorimetric 268	Colorimetric 268	Colorimetric 268	Colorimetric 268	Colorimetric 268	Colorimetric 268	Colorimetric 268	Colorimetric 268	Colorimetric 268	Colorimetric 268	Colorimetric 268	U/L	µkat/L
LITHIUM	Colorimetric 268	Colorimetric 268			Enzymatic 82			Colorimetric 268	Colorimetric 268 Integra: Ion selective electrode 151	Colorimetric 268	Colorimetric 268	mmol/L	mg/dL
MAGNESIUM	Arsenazo 116 Enzymatic 82	Xylidyl blue 23	Xylidyl blue 23	Xylidyl blue 23	Calmagite 117 Xylidyl blue 23; Arsenazo 116	Xylidyl blue 23	Xylidyl blue 23	Colorimetric 268	Xylidyl blue 23	Xylidyl blue 23	Mehtylthymol blue 74	mmol/L	mg/dL
PANCR. AMYLASE	EPS 3		EPS 3		EPS 3; G3-CNP 7	EPS 3			EPS 3	G7PNP 100035		U/L	µkat/L
PHOSPHATE	Molybdate UV (Phosphate) 100250	Molybdate UV (Phosphate) 100250	Molybdate UV (Phosphate) 100250	Molybdate UV (Phosphate) 100250	Molybdate UV (Phosphate) 100250	Molybdate UV (Phosphate) 100250	Molybdate UV (Phosphate) 100250	Molybdate UV (Phosphate) 100250	Molybdate UV (Phosphate) 100250	Molybdate UV (Phosphate) 100250	Molybdate UV (Phosphate) 100250	mmol/L	mg/dL
POTASSIUM	Ion selective electrode 151	Ion selective electrode 151		Ion selective electrode 151	TPB Enzymatic 82	Enzymatic 82, Colorimetric 268	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	mmol/L	mg/dL
SODIUM	Ion selective electrode 151	Ion selective electrode 151		Ion selective electrode 151	Colorimetric 268 Enzymatic 83	Colorimetric 268, Ion selective electrode 151 Enzymatic 83	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	mmol/L	mg/dL
T. PROTEIN	Biuret-Method 168	Biuret-Method 168	Biuret-Method 168	Biuret-Method 168	Biuret-Method 168	Biuret-Method 168	Biuret-Method 168	Biuret-Method 168	Biuret-Method 168	Biuret-Method 168	Biuret-Method 168	g/L	mg/dL g/dL
TIBC	Calculated 241	Calculated 241	Ferrozine 135	Calculated 241	Ferrozine 135		Calculated 241	Colorimetric 268	Calculated 241	Chromazurol 304	Ferene 100018	µmol/L	µg/dL
TRIGLYCERIDE	GPO/PAP 100020	GPO/PAP 100020	GPO/PAP 100020	GPO/PAP 100020	GPO/PAP 100020	GPO/PAP 100020	GPO/PAP 100020	Enzymatic 82	GPO/PAP 100020	GPO/PAP 100020	GPO/PAP 100020	mmol/L	mg/dL
UIBC	Ferene 100018	Colorimetric 268	Ferrozine 135	Ferrozine 135	Ferrozine 135	Ferrozine 135	Ferrozine 135	Colorimetric 268	Ferrozine 135	Calculated 241	Calculated 241		
UREA	Urease GLDH 21	Urease GLDH 21	Urease GLDH 21 Urease Dye 21	Urease GLDH 21	Urease GLDH 21	Urease GLDH 21	Urease GLDH 21	Urease Dye 21	Urease GLDH 21	Urease GLDH 21	Urease GLDH 21	mmol/L	mg/dL g/L Urea N mg/dl Urea N
URIC ACID	Trinder/PAP 19	Trinder/PAP 19	Trinder/PAP 19	Trinder/PAP 19	Trinder/PAP 19	URICASE/POD	Trinder/PAP 19	Enzymatic 82	Trinder/PAP 19	Trinder/PAP 19	Spectrophotometry 243	µmol/L	mg/dL

The proposed Method Keys as indicated in the table above were derived from the available information of the system manufacturers.