

ESFEQA Guideline for Method Key Selection

Program: Clinical Chemistry

Version: 07.2019

Analyte	Roche Cobas c-module	Erba Mannheim	Mindray	Ortho Vitros	Roche Cobas Integra	Abbott Architect c-Module	Beckman Coulter AU-series	Fortress Reagents	BioSystems	Human	Default Unit	Alternative Units
ACID PHOSPHATASE	Naphtyl-/p-Nitro-phenylphosphate 266			Naphtyl-/p-Nitro-phenylphosphate 266	Naphtyl-/p-Nitro-phenylphosphate 266	Naphtyl-/p-Nitro-phenylphosphate 266		Fast Red 100067		Naphtyl-/p-Nitro-phenylphosphate 266	U/L	µkat/L
ALBUMIN	Naphtyl-/p-Nitro-phenylphosphate 266	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 green 165	Bromo cresol green 165	Bromo cresol green 165	Bromo cresol green 165	g/L	g/dL mg/dL
ALP	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	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	U/L	µkat/L
ALT	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	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	IFCC 131; DGKC Method 2	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	without Pyridoxalphosphate 22	U/L	µkat/L
AMYLASE	EPS 3	G3-CNP 7	EPS 3	Colorimetric 268	EPS 3	G3-CNP 7	G3-CNP 7	EPS 3; G3-CNP 7	EPS 3; G3-CNP 7	G3-CNP 7	U/L	µkat/L
AST	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	with Pyridoxalphosphate 100014	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	IFCC 131	with pyridoxal-phosphate 100014 without Pyridoxalphosphate 22	without Pyridoxalphosphate 22	U/L	µkat/L
BILIRUBIN DIRECT	DPD 69	Walter-Gerarde 270	DPD 69	Calculated 241	Diazo reaction 100012	DPD 69	DPD 69	Vanadate Methode 276	Diazo reaction 100012	Diazo reaction 100012, DPD 69	µmol/L	mg/dL
BILIRUBIN TOTAL	Diazo reaction 100012	Walter-Gerarde 270	DPD 69	Diazo reaction 100012	Jendrassik Grof 70	Diazo reaction 100012	DPD 69	Vanadate Methode 276	Diazo reaction 100013	Diazo reaction 100012, DPD 69	µmol/L	mg/dL
CALCIUM	NM-Bapta 17	Arsenazo 116	Arsenazo 116	Arsenazo 116	NM-Bapta 17	Arsenazo 116	Arsenazo 116	Arsenazo	Arsenazo 116 Cresolphthalein 73 Methylthymol blue 74	Cresolphthalein 73	mmol/L	mg/dL
CHLORIDE	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Colorimetric 268		Colorimetric 268, 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	mmol/L	mg/dL
CHOLINESTERASE	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	Creatine Phosphate/GK	IFCC Method 131	IFCC Method 131	IFCC Method 131	IFCC 131; DGKC Method 2	IFCC Method 131	IFCC Method 131, DGKC Method 2	U/L	µkat/L
CREATININE	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123	Picrate (Jaffe) 123 Enzymatic 82	Enzymatic 82	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123 Enzymatic 82	Picrate (Jaffe) 123 Enzymatic 82	µmol/L	mg/dL
GGT	IFCC Method 131 Szasz 100016	IFCC Method 131	IFCC Method 131	IFCC Method 131	IFCC Method 131 Szasz 100016	IFCC Method 131	IFCC Method 131	Carboxy	IFCC Method 131	IFCC Method 131	U/L	µkat/L
GLUCOSE	Hexokinase 60	GOD/PAP 59	GOD/PAP 59 Hexokinase 60	GOD/PAP 59	Hexokinase 60	Hexokinase 60	Hexokinase 60	GOD/PAP 59 Hexokinase 60	GOD/PAP 59 Hexokinase 60	GOD/PAP 59 Hexokinase 60	mmol/L	mg/dL
HDL CHOL.	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	Trinder/PAP 19	CHOD/DSmT 100017	Direct without precipitation 278	Direct without precipitation 278	Direct without precipitation 278 Precipitation Method 100068	Direct without precipitation 278, Precipitation Method 100068	mmol/L	mg/dL
IRON	Ferrozine 135	Ferrozine 135	Ferrozine 135	Colorimetric 268	Ferrozine 135	Ferene 100018	Colorimetric 268	Ferrozine 135	Chromazurol 304 Ferrozine 135	Chromazurol 304 TPTZ 275	µmol/L	µg/dL
LACTATE	Lactate Oxidase 100022			Lactate Oxidase 100022	Lactate Oxidase 100022	Lactate Oxidase 100022	Lactate Oxidase 100022	Enzymatic 82			mmol/L	mg/dL
LDH	IFCC Method 131	DGKC Method 2	IFCC Method 131	DGKC Method 2	IFCC Method 131	IFCC Method 131	IFCC Method 131	DGKC Method 2	IFCC Method 131 DGKC Method 2	IFCC Method 131	U/L	µkat/L
LDL CHOL.	CHOD/PAP 169	Trinder/PAP 19	CHOD/PAP 169		CHOD/PAP 169	CHOD/PAP 169	CHOD/PAP 169	Direct without precipitation 278	Direct without precipitation 278 Precipitation Method 100068	Direct without precipitation 278	mmol/L	mg/dL
LIPASE	Enzymatic 82	Enzymatic 82	Enzymatic 82	Enzymatic 82	Enzymatic 82	Enzymatic 82	Enzymatic 82	Colorimetric 268	Colorimetric 268	Colorimetric 268	U/L	µkat/L
LITHIUM	Colorimetric 268			Colorimetric 268	Ion selective electrode 151	Colorimetric 268	Colorimetric 268	Enzymatic 82			mmol/L	mg/dL
MAGNESIUM	Xylidyl blue 23	Xylidyl blue 23	Xylidyl blue 23	Colorimetric 268	Xylidyl blue 23	Arsenazo 116 Enzymatic 82	Xylidyl blue 23	Calmagite 117 Xylidyl blue 23; Arsenazo 116	Xylidyl blue 23	Xylidyl blue 23	mmol/L	mg/dL
PANCR. AMYLASE	EPS 3				EPS 3	EPS 3		EPS 3; G3-CNP 7	EPS 3	EPS 3	U/L	µkat/L
PHOSPHATE	Phosphomolybdate 153	Phosphomolybdate 153	Phosphomolybdate 153	Phosphomolybdate 153	Phosphomolybdate 153	Phosphomolybdate 153	Phosphomolybdate 153	Phosphomolybdate 153	Phosphomolybdate 153	Phosphomolybdate 153	mmol/L	mg/dL
POTASSIUM	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	TPB Enzymatic 82		Enzymatic 82, Colorimetric 268	mmol/L	mg/dL
SODIUM	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Ion selective electrode 151	Colorimetric 268 Enzymatic 83		Colorimetric 268, Ion selective electrode 151 Enzymatic 83	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	g/L	mg/dL g/dL
TIBC	Calculated 241	Calculated 241	Calculated 241	Colorimetric 268	Calculated 241	Calculated 241	Calculated 241	Ferrozine 135	Ferrozine 135		µmol/L	µg/dL
TRIGLYCERIDE	GPO/PAP 100020 Glycerol blanked 100015	GPO/PAP 100020	GPO/PAP 100020	Enzymatic 82	GPO/PAP 100020	GPO/PAP 100020	GPO/PAP 100020	GPO/PAP 100020	GPO/PAP 100020	GPO/PAP 100020	mmol/L	mg/dL
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 GLDH 21 Urease Dye 21	Urease GLDH 21	mmol/L	g/L Urea N mg/dl Urea N

Analyte	Roche Cobas c-module	Erba Mannheim	Mindray	Ortho Vitros	Roche Cobas Integra	Abbott Architect c-Module	Beckman Coulter AU-series	Fortress Reagents	BioSystems	Human	Default Unit	Alternative Units
URIC ACID	Trinder/PAP 19	Trinder/PAP 19	Trinder/PAP 19	Enzymatic 82	Trinder/PAP 19	Trinder/PAP 19	Trinder/PAP 19	Trinder/PAP 19	Trinder/PAP 19	URICASE/POD	µmol/L	mg/dL

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