

SJH CENTRE FOR LABORATORY MEDICINE & MOLECULAR PATHOLOGY

Edition No.:	01	Biochemistry Working Instruction	Doc No: WI-BIO-0275
Authorised By	Fiona Campbell	Date: 21.11.23	Date of Issue: 21.11.23

Stability of samples for add-on tests

Test	Sample Type	Stability @ 15-25°C
ICU Profile	Serum/Lithium Heparin	72 hrs
Renal Profile	Serum/Lithium Heparin	72 hrs
Liver Profile	Serum/Lithium Heparin	24 hrs
Bone Profile	Serum/Lithium Heparin	72 hrs
Lipid Profile	Serum/Lithium Heparin	5 days
AFP	Serum/Lithium Heparin	72 hrs α
ALP	Serum/Lithium Heparin	5d ε
Albumin	Serum/Lithium Heparin	4d ε
ALT	Serum/Lithium Heparin	48 hrs ε
Amikacin	Serum/Lithium Heparin	8 hrs δ
Amylase	Serum/Lithium Heparin	7d δ
AST	Serum/Lithium Heparin	72 hrs ε
BILD	Serum/Lithium Heparin	24 hrs δ
Bilirubin Total	Serum/Lithium Heparin	24 hrs δ
BNP	Serum/Lithium Heparin	72 hrs δ
Ca125	Serum/Lithium Heparin	72 hrs ε
Carbamazepine	Serum/Lithium Heparin	48 hrs
Ca153	Serum/Lithium Heparin	72 hrs ε
Ca19.9	Serum/Lithium Heparin	72 hrs ε
CO2 / Bicarbonate	Serum/Lithium Heparin	1 hour
Calcium	Serum/Lithium Heparin	5d ε
CEA	Serum/Lithium Heparin	72 hrs ε
Chloride	Serum/Lithium Heparin	7 d δ
Cholesterol	Serum/Lithium Heparin	7 d δ
Cholinesterase	Serum/Lithium Heparin	7d (2-8°C) δ
CK	Serum/Lithium Heparin	48 hrs δ
Cortisol	Serum/Lithium Heparin	72 hrs ε

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Creatinine	Serum/Lithium Heparin	72 hrs ε
CRP	Serum/Lithium Heparin	11 d δ
Digoxin	Serum	24 hrs ε
Ethanol	Serum/Lithium Heparin	48 hrs δ
FSH	Serum/Lithium Heparin	72 hrs ε
FT4	Serum/Lithium Heparin	72 hrs ε
HbA1C	EDTA ONLY	FBC sample needed
Gentamicin	Serum/Lithium Heparin	4 hrs α
Glucose	FLOURIDE EDTA ONLY	Separate sample needed
GGT	Serum/Lithium Heparin	48 hrs ε
HCG	Serum/Lithium Heparin	24 hrs ε
HDL	Serum/Lithium Heparin	5 d ε
In. Phos	Serum/Lithium Heparin	72 hrs ε
Iron	Serum/Lithium Heparin	7 d δ
LDH	Serum/Lithium Heparin	7 d δ
LH	Serum/Lithium Heparin	72 hrs ε
LP(a)	Serum/Lithium Heparin	8 hrs δ
Lithium	SERUM ONLY	24 hrs
Magnesium	Serum/Lithium Heparin	7 d δ
Methotrexate	Serum	24 hrs
Oestradiol	Serum/Lithium Heparin	72 hrs ε
Paracetamol	Serum/Lithium Heparin	24 hrs ε
Phenytoin	Serum/Lithium Heparin	4 Days
Potassium	Serum/Lithium Heparin	72 hrs ε
Procalcitonin	Serum/Lithium Heparin	24 hrs δ
Progesterone	Serum/Lithium Heparin	72 hrs ε
Prolactin	Serum/Lithium Heparin	5 d α

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PSA- Free	Serum/Lithium Heparin	72 hrs ε
PSA- Total	Serum/Lithium Heparin	72 hrs ε
PTH	Serum/Lithium Heparin	6 hrs δ
Salicycate	Serum/Lithium Heparin	7 d α
SHBG	Serum/Lithium Heparin	72 hrs ε
Sodium	Serum/Lithium Heparin	5 d ε
T3	Serum/Lithium Heparin	72 hrs ε
Testosterone	Serum	72 hrs ε
Theophylline	Serum/Lithium Heparin	5 days
Total Protein	Serum/Lithium Heparin	5 d ε
Triglycerides	Serum/Lithium Heparin	5 d ε
Troponin	Lithium Heparin ONLY	6 hrs α
TSH	Serum/Lithium Heparin	72 hrs ε
TT4	Serum/Lithium Heparin	72 hrs ε
UIBC	Serum/Lithium Heparin	4 d δ
Urea	Serum/Lithium Heparin	5 d ε
Uric Acid	Serum/Lithium Heparin	3 d δ
Vancomycin	Serum	48 hrs
Vitamin D	Serum/Lithium Heparin	3 d α

α - taken from WHO stability data

δ - taken from Roche Kit insert

ε - taken from stability data worked up in SJH