SJH CENTRE FOR LABORATORY MEDICINE & MOLECULAR PATHOLOGY			
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Serum Indices for Roche Instruments

Analyte	Interference		
	Icteric Index as conj Bilirubin (SI units)	Haemolytic Index as Hb (SI units)	Lipaemic Index as Intralipid (without units)
	µmol/l	µmol/l	Turbidity
ACTH	428	248	1500
Albumin	1026	621	550
Alkaline phosphatase	1026	124	2000
ALT	1026	62.2	500
AFP	1112	1370	1500
Amikacin	855	621	2000
Amylase	1026	311	1500
AMH	1129	620	1000
AST	1026	16	500
Bicarbonate	1026	373	1800
Calcitonin	1128	124	2000
Calcium	1026	621	1000
Carbamazepine	855	621	2000
Ca 125	1130	2000	2000
CA 15-3	1130	621	1500
CA 19.9	1130	621	1500
CEA	1130	621	2000
Chloride	1026	621	2000
Cholesterol	274	435	2000
Cholinesterase	1026	435	1000
Conjugated Bilirubin	NA	15.5	750
Coritsol	428	311	1500
C-PEP	855	186	2000
Creatine kinase	1026	62	1000
Creatinine (Enzymatic)	257	497	2000
Crosslap	1112	300	1500
CRP	1026	622	1000
Cystatin C	1026	621	1000
Digoxin	1129	621	1500
E2	1129	621	1000
Ethanol	513	124.2	500
FT4	701	621	2000
FPSA	1112	621	1500
FSH	1112	621	1900
Cedia Gentamicin	513	372	1000
GGT	855	124	1500
Glucose	1026	621	1000
HCG	1129	621	2000
HDLC	1026	745	2000
INS	1539	10	1800
Iron	1026	125	1500
Lactate dehydrogenase	1026	10	900
LH	1129	621	1900
Lithium	633	621	2000
LP(a)	1026	621	2000
Magnesium	1026	496	2000
Osteocalcin	1112	311	1500
P1NP	1112	62	2000
Paracetamol	510	496	400
Phenytoin	855	621	800
Phosphate	684	186	1250
Potassium	1026	54*	2000
Pro BNP	428	621	1500
Prolactin	513	932	1500
Progesterone	923	621	200
Procalcitonin	685	559	1500
PTH	1129	155	1500
SACE	600	125	125
Salicylate	393	497	200
SHBG	1129	621	2700

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	Icteric Index as conj Bilirubin (SI units)	Haemolytic Index as Hb (SI units)	Lipaemic Index as Intralipid (without units)
	µmol/l	µmol/l	Turbidity
Sodium	1026	621	2000
T3	599	1200	1800
Theophylline	855	621	300
Troponin T (HS)	428	62**	1500
Total bilirubin	NA	497	1000
Total protein	342	311	2000
Triglyceride	171	434	NA
TSH	701	621	1500
TPSA	1112	1370	1500
TT4	633	1400	2500
UIBC	1026	25	300
Urate	684	621	1500
Urea	1026	621	1000
Valproate	513	310	500
Vancomycin	1026	622	1000
Vit D	1129	373	300

Haemolysis

Haemolysed samples. Please note that if a sample exceeds the specific Haemolysis cut off, as per the table above, then results of affected tests are reported NA. Exceptions are:

* Potassium (K+)

Haemolysis can cause a positive interference in the analysis of Potassium, thus causing a potential overestimation of the result. Please note that for samples with H index of 50 ≥ and ≤99 Potassium above the ref range will only be reported as >5.3mmol/ L. Similarly, Potassium results in haemolysed samples below the reference range will be reported only as either <3.5mmol/L or <3.0mmol/L, as appropriate (ref CDC reference tool for Haemolysis status).

**Troponin T (HS)

Haemolysis can produce a negative interference in the analysis of plasma Troponin T (HS) thus causing a potential underestimation of the actual result. Therefore please note that while a result for Troponin T (HS) will be reported in a sample with H index of ≤ 99, this may not represent the true value for that sample and the taking of a repeat sample for plasma Troponin T (HS) is strongly advised. Any Troponin T(HS) result ≤ 14ng/L in samples with H index of ≥ 61 WILL NOT be reported due to the risk of underestimation.