

If the patient has had a similar result recently and the result is improving then repeat phoning is not required. Please contact the Duty Biochemist if you are uncertain.

ANALYTE	UNITS	EQUAL TO OR LESS THAN	EQUAL TO OR GREATER THAN	COMMENTS
Sodium	mmol/L	125 120	150 ^A 160	<ul style="list-style-type: none"> SCBU/NICU, If GP/OPD phone during routine hours Inpatients, A&E, OPD/GP OOH Beware citrate & fluoride contamination
Potassium	mmol/L	2.5 2.5 2.0* (post-dialysis Basildon only)	6.0 ^A 6.5 7.5** (pre-dialysis)	If GP/OPD phone during routine hours If GP/OPD phone to OOH *BASILDON: Renal Dialysis Unit, ITU, HDU, Colne only *SOUTHEND: Pre-dialysis phone to dialysis unit ^c Beware haemolysis, LOC, ↑platelets, EDTA
Urea	mmol/L		10 30 40*	<ul style="list-style-type: none"> < 16 yrs Not patients with known CKD and similar results *BASILDON: Low Clearance Clinic only
Creatinine	µmol/L		200 400	<ul style="list-style-type: none"> <16 yrs Do not phone pre dialysis. SOUTHEND: Phone AKI stage 3 Always phone other Delta check failures
Glucose	mmol/L	2.5	20 25 15 20	<ul style="list-style-type: none"> >16 yrs (Applicable to fasting GTT results also) >16 yrs and known DM <16 yrs (Applicable to fasting GTT results also) <16 yrs and known DM
Adjusted Calcium	mmol/L	1.8	3.3	
Magnesium	mmol/L	0.4	4.0**	** only phone in pregnancy or if Obs & Gynae pt
Phosphate	mmol/L	0.32		
AST	IU/L		600	SOUTHEND: all areas; BASILDON: GP/OPD/A&E only
ALT	IU/L		600	SOUTHEND: all areas; BASILDON: GP/OPD/A&E only
CK	IU/L		5000	SOUTHEND: all areas; BASILDON: GP/OPD only
Amylase	IU/L		500	
Bilirubin	µmol/L		180	Paediatric only
CRP	g/L		300	GP/OPD/Wellesley Hospital
ft4	pmol/L	4 ^A	60 ^A	Beware if ft4<4 and TSH <50 pt may be on T3; If patient is on T3 phoning not required
Cortisol	nmol/L	50		Do not phone post Dexamethasone results
Bile acids	µmol/L		20 ^B	
Troponin T	ng/L		14 100* 150*	<ul style="list-style-type: none"> OP/GP/Wellesley Hospital *SOUTHEND: A&E *BASILDON: A&E
Triglycerides	mmol/L		20	
Paracetamol	mg/L		100	
Salicylate	mg/L	ALL MEASURABLE LEVELS		
Iron	umol/L		55	Do not phone known haemochromatosis patients
CoHb	%		8	Do not phone Coroner's requests
Alcohol	mg/dL		240	
Procalcitonin	ng/ml		10	
Digoxin	µg/L		2.5	
Lithium	mmol/L		1.5	
Theophylline	mg/L		25	

Phenytoin	mg/L		25	
Carbamazepine	mg/L		25	
Phenobarbitone	mg/L		70	
Amikacin	mg/L		10 ^B	Pre-dose only, <i>SOUTHEND: routine hours only</i>
Gentamicin	mg/L		10	Pre-dose only, <i>SOUTHEND: routine hours only</i>
Vancomycin	mg/L		20 25*	Pre-dose only, <i>SOUTHEND: during routine hours</i> <i>*BASILDON: Colne Ward/ITU, Pre-dose only</i>
Cyclosporin	ug/L		400	
Tacrolimus	ug/L		20	
Sirolimus	ug/L		20	

Notes:

^A – phone GP/OPD results during routine hours only, not to Out Of Hours service (NHS111.; If result seen outside of hours phone during the next routine working day.

^B – Basildon staff should communicate elevated Bile acid and Amikacin results on Southend patients to Southend biochemistry lab who will then report to the requestor.

^c – Southend Hospital Dialysis Unit is open Mon-Fri 07:30-23:30 and Sat 07:00-23:30