

If the patient has had a similar result recently and the result is improving then repeat phoning is not required.

Contact the Duty Biochemist if you are uncertain.

GP results OOH – phone through to NHS111

OP results OOH – phone through to appropriate on call registrar via Hospital switchboard

ANALYTE	UNITS	EQUAL TO OR LESS THAN	EQUAL TO OR GREATER THAN	COMMENTS
Serum indices	N/A		666	Phone A&E to request repeat before patient is sent home Must be logged in Winpath phone log
Sodium	mmol/L	130 120	160 160	<ul style="list-style-type: none"> <16 yrs All adult patients Beware citrate & fluoride contamination
Potassium	mmol/L	2.5 2.5 2.0* (post-dialysis Basildon only)	6.0 ^A 6.5 7.5* ^B (pre-dialysis)	<ul style="list-style-type: none"> All patients. GP/OPD not OOH Phone urgently with exception of: *BASILDON: Renal Dialysis Unit, ITU, HDU, Colne only Check for haemolysis, LOC, ↑platelets or WBC, EDTA
Urea	mmol/L		10 30 40*	<ul style="list-style-type: none"> < 16 yrs All adult patients *BASILDON: Low Clearance Clinic only
Creatinine	µmol/L		200 354	<ul style="list-style-type: none"> <16 yrs Do not phone pre dialysis.
AKI Stage	N/A		Stage 2 & 3	Contact duty biochemist if creatinine is within reference range and AKI alert has been generated
Glucose	mmol/L	2.5 (all patients)	20	<ul style="list-style-type: none"> >16 yrs (Applicable to fasting GTT results also)
			30	<ul style="list-style-type: none"> >16 yrs and known DM
			15	<ul style="list-style-type: none"> <16 yrs (Applicable to fasting GTT results also)
			20	<ul style="list-style-type: none"> <16 yrs and known DM
Adjusted Calcium	mmol/L	1.8	3.5	
ALT	IU/L		600 500	SOUTHEND: all areas; BASILDON: any non-inpatient area <16 years
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Ammonia	µmol/L		100	All patients
Amylase	IU/L		500	
Bile acids	µmol/L		20	Maternity only
Bilirubin	µmol/L		180	Paediatric only

CK	IU/L		5000	SOUTHEND: all areas; BASILDON: any non-inpatient area
Cortisol	nmol/L	50		Do not phone post Dexamethasone results Consider diurnal rhythm of cortisol secretion. Contact duty biochemist if uncertain.
CRP	mg/L		300	Any non-inpatient area
ft4	pmol/L	4*	60^A	Beware if ft4<4 and TSH <50 pt may be on T3. Check form/add T3 or discuss with Duty Biochemist *GP/OP results ft4 <3.2 OOH please discuss with on call consultant biochemist to determine if result needs telephoning or if it can be left until the next working day
Lactate	mmol/L		5	
Magnesium	mmol/L	0.4	4.0**	** only phone in pregnancy or if Obs & Gynae pt
Phosphate	mmol/L	0.3		
Troponin T	ng/L		14 150	<ul style="list-style-type: none"> Any non-inpatient area (with exception of A&E /Bas ICC) A&E. Basildon Inherited Cardiac Clinic
Triglycerides	mmol/L		20	
CSF xanthochromia			Positive	Phone all positive xanthochromia results
Drug Levels				
Alcohol	mg/dL		400	
Amikacin	mg/L		20^C	
Carbamazepine	mg/L		25	
CoHb	%		8	Do not phone Coroner's requests
Cyclosporin	µg/L		200	Call to requestor only (not 111 or medical reg)
Digoxin	µg/L		2.5	Check timing >6 hours post dose. More urgent if K <3.0
Gentamicin	mg/L		10	
Iron	µmol/L		55	Do not phone haematology patients
Lithium	mmol/L		1.5	Check that sample is not lithium heparin
Paracetamol	mg/L		100	
Salicylate	mg/L		300	
Phenobarbitone	mg/L		70	
Phenytoin	mg/L		25	
Sirolimus	µg/L		20	
Tacrolimus	µg/L		20	
Theophylline	mg/L		25	
Vancomycin	mg/L		40	

Notes:

A – Phone GP/OP during routine hours only; if OOH phone during the next routine working day

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

C – Basildon staff should communicate elevated Amikacin results on Southend patients to Southend biochemistry lab who will then report to the requestor

Blood Sciences

CRITICAL TELEPHONE LIMITS

PF-BIO-LF-40

Non-inpatient area – includes A&E, GP, OPD, Private & Community Hospitals, Day Units, Community services e.g. UCRT, H@H, VW (list not exhaustive)