

Department of Biochemistry

FOR EXTERNAL USERS INFORMATION ONLY: Results that may be reported by telephone

The following limits, based on guidance from the Royal College of Pathologists¹, identify test results that may be reported by telephone. These values are a **guideline** only; decisions to telephone results are made on a **case-by-case basis** by qualified members of staff.

- Clinically urgent results will be telephoned out of hours (Mon-Fri 17:30-09:00, Sat & Sun).
 - Other results will be telephoned the next working day (Mon-Fri 09:00-17:30).
 - Results consistently outside these limits may not be phoned unless deemed clinically relevant.
1. The communication of critical and unexpected pathology results, RCPATH, July 2016.

<u>Analyte</u>	<u>Less than or equal to</u>	<u>More than or equal to</u>
AKI alert		All new AKI 3 alerts, except in known renal patients
Alcohol		≥400 mg/dL (unless Post Mortem)
ALT		≥600 U/L
Ammonia		≥100 µmol/L
Amylase		≥450 U/L
AST		≥600 U/L
Bicarbonate	≤10 mmol/L (if acidotic)	
Bilirubin		≥300 µmol/L (if <1 month old)
NT-ProBNP		≥2000 (GPs only)
Calcium (adjusted)	≤1.8 mmol/L	≥3.5 mmol/L (can be next day)
CK		≥5000 U/L
Cortisol	≤50 nmol/L (unless O/N DST)	
Creatinine		354 µmol/L Or > 50% change in 48hrs (flagged by Delta "D") 200 µmol/L (<16 years old)
CRP		≥300 mg/L
CSF Glucose	≤2.0 mmol/L	
CSF xanthochromia		All SAH positive results
FT4		≥40 pmol/L
Glucose	≤2.5 mmol/L	≥30 mmol/L (DM known) ≥25 mmol/L (DM not known) ≥15 mmol/L (<16 year old)
Iron		≥ 70 µmol/L
Lactate		≥5 mmol/L
Mg	≤0.4 mmol/L 0.4-0.5mmol/L (non IP)	≥3.0 mmol/L
PBG screen		All positive results
Phosphate	≤0.3 mmol/L	≥4 mmol/L
Potassium	≤2.5 mmol/L	≥6.5 mmol/L
Procalcitonin		≥10ug/mL
PIIINP		≥13mg/L
Sodium	≤120 mmol/L	≥160 mmol/L
Triglycerides		≥20 mmol/L
TSH		≥150 mU/L
Urea		≥30 mmol/L ≥10 mmol/L (<16 year old)
24 hour urine protein		≥2g/24 hours (pregnancy only)
Vitamin D		≥200 nmol/L
*****Drugs*****		
Carbamazepine		≥15 mg/L
Cyclosporin		≥400 ng/mL
Digoxin		≥2.5 µg/L
Lithium		≥1.5 mmol/L
Paracetamol		All detectable results

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Phenobarbitone		≥40 mg/L
Phenytoin		≥25 mg/L
Salicylates		≥300mg/L
Tacrolimus		≥25 ng/mL
Theophylline		≥25 mg/L ≥15 mg/mL (<1 month old)
Valproate		≥100 mg/L

To discuss these guidelines please contact the Duty Biochemist on 01782 674265.