

Core Biochemistry Reference Intervals

Drug Monitoring

This document is valid as of the date of issue and will be updated as required by Canterbury Health Laboratories (CHL). Outside of Canterbury Health Laboratories, this document should be used with caution.

Please contact CHL should you require an updated version.

Test Name	Additional Information	Reference Intervals		Units	Revision Date
		Lower	Upper		
Amikacin	Trough	< 2.0		mg/L	July-25
	AUC	150	200	mg/L	July-25
Carbamazepine		16	50	μmol/L	Aug-09
	Unbound	4	10		
Digoxin		0.6	2	nmol/L	Jun-09
Ethanol		< 3		mmol/L	Jun-09
Gentamicin	Trough	< 0.5		mg/L	Aug-09
	AUC	70	100	mg/L/hr	
Lithium	Therapeutic Range	0.4	1.2	mmol/L	Aug-09
Lamotrigine		12	55	μmol/L	Dec-15
Paracetamol	As per the latest edition of Hospital Health Pathways			μmol/L	
Phenobarbitone		65	130	μmol/L	Aug-09
Phenytoin		40	80	μmol/L	Aug-09
	Unbound	4	9		
Salicylate		1.5	1.8	nmol/L	Jun-09
Theophylline		55	110	μmol/L	Aug-19
Tobramycin	Trough	< 0.5		mg/L	Aug-09
	AUC	70	100	mg/L/hr	
Valproate (Valproic Acid)	Adult	350	700	μmol/L	Aug-09
Vancomycin		5	10	mg/L	Aug-09

Amendments

Issue number	Date reviewed	Summary of Change
3	31/07/25	Added Amikacin Reference Intervals.

Accepted by

Position	Section Head	Clinical Director
Name		
Signature		
Date		