

Therapeutic Drug Monitoring (TDM) – Quick Guide

Drug	Drug Class	In-house / SAS?	Analytical Technique(s)**	Sample Tube	Timing of Collection	Toxicity (Signs / Symptoms)
Amikacin						
Amiodarone						
Amitriptylline						
Azathioprine						
Caffeine						
Carbamazepine						
Ciclosporin						
Clozapine						

Therapeutic Drug Monitoring (TDM) – Quick Guide

Drug	Drug Class	In-house / SAS?	Analytical Technique(s)**	Sample Tube	Timing of Collection	Toxicity (Signs / Symptoms)
Digoxin						
Ethosuximide						
Everolimus						
Gabapentin						
Gentamicin						
Lamotrigine						
Levetiracetam						
Lithium						

Therapeutic Drug Monitoring (TDM) – Quick Guide

Drug	Drug Class	In-house / SAS?	Analytical Technique(s)**	Sample Tube	Timing of Collection	Toxicity (Signs / Symptoms)
Methotrexate						
Mycophenolate						
Olanzapine						
Phenobarbitone						
Phenytoin						
Risperidone						
Sirolimus						
Tacrolimus						

Therapeutic Drug Monitoring (TDM) – Quick Guide

Drug	Drug Class	In-house / SAS?	Analytical Technique(s)**	Sample Tube	Timing of Collection	Toxicity (Signs / Symptoms)
Teicoplanin						
Theophylline (oral / iv)						
Tobramycin						
Topiramate						
Valproate						
Vancomycin						
Vigabatrin						
Zonisamide						

Therapeutic Drug Monitoring (TDM) – Quick Guide

Drug Class

Choose from:

- Antibiotic (aminoglycoside)
- Antibiotic (glycopeptide)
- Antidepressant
- Antiepileptic
- Antimaniac
- Antimetabolite
- Antipsychotic
- Bronchodilator
- Cardiac
- Immunosuppressant

Analytical Technique(s)*

Choose from:

- Spectrophotometric / colorimetric
- Immunoassay
- Ion-selective electrode (ISE)
- Atomic absorption spectroscopy (AAS)
- Inductively-coupled plasma mass spectrometry (ICP-MS)
- High pressure liquid chromatography UV detection (HPLC-UV)
- High pressure liquid chromatography diode array detection (HPLC-DAD)
- Liquid chromatography tandem mass spectrometry (LC-MS/MS)
- Liquid chromatography quadrupole time of flight (LC-QToF)
- Gas chromatography mass spectrometry (GC-MS)

* More than one may be applicable

** Highlight / underline the one used by our lab

Sample Type

Choose from:

- Plasma (P)
- Serum (S)
- Whole blood (WB)
- Bloodspot (BS)

Timing of Collection

Choose from:

- Peak (P)
- Trough (T)

If applicable, state the minimum time (hours) post-dose that samples should be collected.