

## Laboratory Medicine Technical Bulletin

---

### Plasma Posaconazole Levels by Liquid Chromatography and Tandem Mass Spectrometry

February 01, 2013

As of January 30, 2013, St. Paul's Hospital will be offering therapeutic drug monitoring for plasma posaconazole by liquid chromatography and tandem mass spectrometry (LC-MS/MS).

Specimens should be collected immediately before the next dose which would be 8 hr after the last dose in the case of tid dosing and 12 hr after the last dose for bid dosing. The therapeutic range for this drug has not been clearly established, but levels of greater than 700 µg/L are considered adequate for prophylaxis. For active infections, higher levels are associated with better outcomes.

The sample type is plasma collected in a lavender top (EDTA) tube only. The test will normally be run on Wednesdays with voriconazole. If you have any questions, please do not hesitate to contact us.

**Required Info: date, time, and size (in mg) of last dose**

**Specimen Type: EDTA plasma**

**Spin sample within 2 h of draw**

**Minimum Sample Volume: 500 µL**

**Shipment Instructions: Ship cold or frozen**

**Target Therapeutic Range: not established**



Daniel T. Holmes, MD FRCPC  
Medical Biochemist  
dtholmes@providencehealth.bc.ca  
604-806-8919