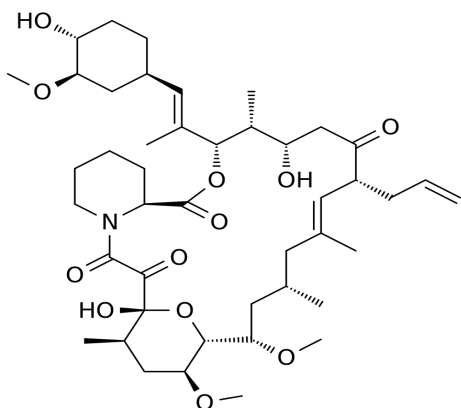


Tacrolimus, Cyclosporin, and Rapamycin In Whole Blood Using: 30 mg STYRE SCREEN® Extraction Column



UCT Part Numbers

SSDVB031

Polystyrene Divinylbenzene
30mg 1mL

Procedure:

1. Prepare Sample

- Add 50 mL whole blood and 50 mL of 0.1 MZnSO₄ to a centrifuge tube. Vortex.
- Add 500 mL methanol and internal standards. Vortex. Centrifuge.
- Transfer supernate to a clean tube, add 500 mL D.I. water. Vortex.

2. Condition Clean Up® Extraction Column

- 1 x 2 mL CH₃OH.
- 1 x 2 mL D.I. H₂O.

Note: Aspirate at < 3 inches Hg to prevent sorbent drying.

3. Apply Sample

- Decant the sample onto the column. Load at 1 to 2 mL/minute.

4. Wash Column

- 1 x 2 mL D.I. H₂O.
- Dry column (20 minutes at > 10 inches Hg).

5. Elute Analytes

- Add 750 mL of ethyl acetate.
- Collect eluate at 1 to 2 mL / minute.

6. Analysis

- The sample may be injected as is for HPLC analysis.

Suggested Internal Standards	
Cyclosporin	Cyclosporin-D
Tacrolimus	Ascomycin
Rapamycin	Desmethoxyrapamycin



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