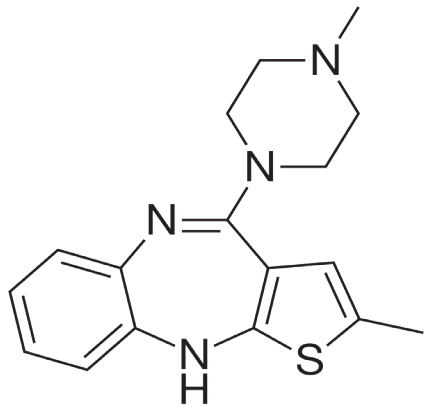


Olanzapine In Whole Blood Using: 300 mg Clean-Up® Extraction Column



UCT Part Numbers

CECN4123
Clean-Up Cn4
200mg 3mL Column

Procedure:

1. Prepare Sample

- To 1 mL of D.I. H₂O add internal standard.*
- Add 1 mL blood. Add 8 mL of D.I. H₂O.
- Vortex and centrifuge as appropriate.

2. Condition Clean Screen® CECN4123 Extraction Column

- 1 x 3 mL CH₃OH.
- 1 x 3 mL D.I. H₂O.
- Add 5 mL of McIlvaine's buffer.

NOTE: aspirate at < 3 inches Hg to prevent sorbent drying out.

3. Apply Sample

- Load sample at 1-2 mL / minute.

4. Wash Column

- 1 x 3 mL 1% acetic acid (aq).
- Dry column (5 minutes at > 10 inches Hg).

5. Elute Olanzapine

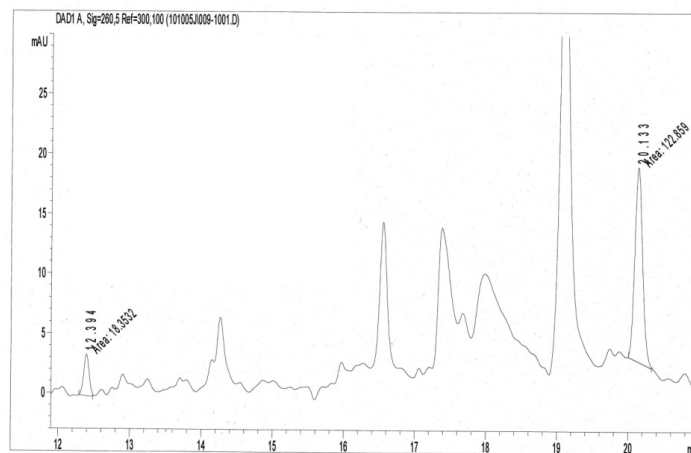
- 2 x 3 mL 1% acetic acid in CH₃OH.
 - Collect eluate at 1-2 mL /minute.
- NOTE:** Collect eluate at 1-2 mL /minute.

6. Evaporation

- Evaporate eluates under a gentle stream of nitrogen < 40°C.

7. Reconstitute

- Reconstitute sample in 100 µL 0.1% trifluoroacetic acid (aq).
- Inject 50 µL.



Instrument Conditions	
Column	Gold C18 150 x 2.1 mm (3 µm) Thermofisher.
Flow Rate	0.15 mL/ min
Column Temperature	40° C
Detector	Diode Array (260 nm)

Mobile Phase		
Time (min)	% Acetonitrile	0.1% TFA
0	5	95
5	5	95
14	67	33
15	5	95
25	5	95

Compound	Cerilliant Part #
Olanzapine	O-024
*Prazepam	P-906

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