



**OLANZAPINE IN WHOLE BLOOD USING: 300 mg CLEAN-UP[®]
EXTRACTION COLUMN**

PART #: CECN4123
LC-UV

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.

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: Prepare elution solvent daily

6. EVAPORATION:

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

6. 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.

Mobile phase:

<u>Time (minutes):</u>	<u>% Acetonitrile:</u>	<u>%0.1% TFA</u>
0	5	95
5	5	95
14	67	33
15	5	95
25	5	95

Flowrate: 0.15 mL/ min

Column Temperature: 40° C

Detector: Diode Array (260 nm)

<u>Compound</u>	<u>Cerilliant Part #</u>
Olanzapine	O-024
*Prazepam	P-906

