

Phencyclidine In Urine For GC/MS Confirmations Using: 30 mg Styre Screen® DBX Extraction Column



UCT Part Numbers

SSDBX033
STYRE SCREEN® DBX -
Benzenesulfonic Acid +
C18 30mg 3mL
Without Tips

Or

SSDBX033
STYRE SCREEN® DBX -
Benzenesulfonic Acid +
C18 30mg 3mL
With CLEAN-THRU® Tips

Procedure:

1. Sample Preparation

- To 1 mL of urine add internal standard and 1 mL 100mM phosphate buffer (pH 6.0).
- Mix / vortex.

2. Apply Sample to DBX Column

- Load at a rate of 1 to 2 mL/min.

3. Wash Column

- 1 x 1 mL DI H₂O.
- 1 x 1 mL 100mM acetic acid.
- 1 x 1 mL MeOH.

Note: Dry column (3 mins at > 10 inches Hg).

4. Elute Phencyclidine

- 2 x 0.5 mL CH₂Cl₂/IPA/NH₄OH (78/20/2),
Collect eluate at 1 to 2 mL/min.

5. Concentrate Eluate

- Add 1 drop 1% HCl in MeOH to eluate before evaporating.
- Evaporate to dryness at < 40°C.
- Reconstitute with 100 µL ethyl acetate.

6. Analyze

- Inject 1 to 2 µL onto gas chromatograph.
- For MSD monitor the following ions:

Analyte	Target (Quantitation) Ion	Qualifier Ions	Cerilliant #
Phencyclidine	200	91, 242	P-007
*Phencyclidine-D5	205	96, 247	P-003

*Suggested internal standard



UCT, LLC • 2731 Bartram Road • Bristol, PA 19007 800.385.3153 • 215.781.9255

www.unitedchem.com Email: methods@unitedchem.com

©UCT, LLC 2008 • All rights reserved

