



# PHENCYCLIDINE IN URINE FOR GC/MS CONFIRMATIONS USING: 30 mg STYRE SCREEN® DBX EXTRACTION COLUMN

Part #: SSDBX033 without Tips or SCDBX033 with CLEAN-THRU® Tips

## 1. SAMPLE PREPERATION

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 H<sub>2</sub>O.  
1 x 1 mL 100mM acetic acid.  
1 x 1 mL MeOH.

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

## 4. ELUTE PHENCYCLIDINE

2 x 0.5 mL CH<sub>2</sub>Cl<sub>2</sub>/IPA/NH<sub>4</sub>OH (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:

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

\*Suggested internal standard