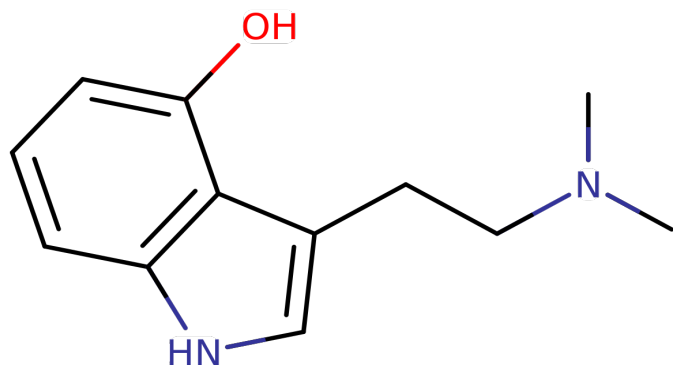


Psilocin In Blood, Plasma/Serum, Urine Using: 200 mg Styre Screen® Extraction Column



UCT Part Numbers

SSDBX206
STYRE SCREEN® DBX -
Benzenesulfonic Acid + C18
200mg 6mL

Procedure:

1. Prepare Sample

- To 1 mL of 100 mM phosphate buffer (pH 6) add internal standard.
- Add 1 mL of whole blood, serum/ plasma, or urine and vortex mix.
- Add 3 mL of 100 mM phosphate buffer (pH 6).
- Vortex and centrifuge as appropriate.

2. Condition Column

Not required for this SPE

3. Apply Sample

- Load sample at 1-2 mL/minute.

4. Wash Column

- 1 x 3 mL D.I. H₂O.
- 1 x 3 mL 100 mM acetic acid.
- 1 x 3 mL CH₃OH.
- Dry column (5 minutes at > 10 inches Hg).

5. Elute Psilocin

- 1 x 3 mL ethyl acetate; acetonitrile: ammonia (78: 20: 2 v/v)
Or
- 1 x 3 mL CH₂Cl₂/ IPA/ ammonia (78:20:2 v/v)
- Collect eluate at 1-2 mL /minute.

6. Evaporation

- Evaporate eluates to dryness under a gentle stream of nitrogen.

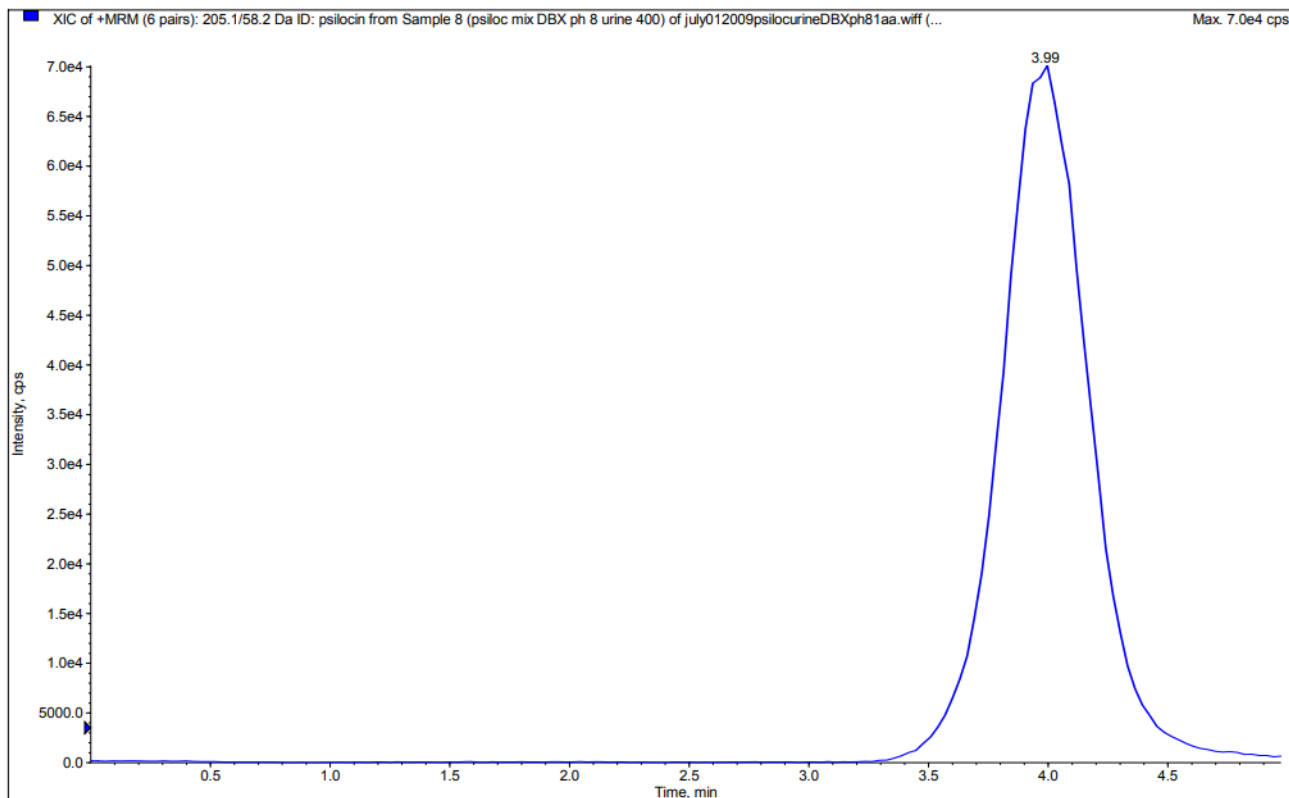
7. Reconstitute

- Sample in 50 µL of CH₃OH.
- Inject 5 µL.

Instrument Conditions

Column	50 x 2.1 mm (3 μm) SELECTRA® Phenyl (UCT, LLC)	
Mobile Phase		
Time	% Acetonitrile (0.1% Formic acid)	0.1% Formic acid
0	80	20
5	80	20
Flowrate	0.3 mL/ minute	
Column	40 °C	
Detector	API 3200 QTrap MS/MS	
Compound		MRM Transition
Psilocin		205.2/58.2
*Psilocin-D10		215.2/68.2



CHROMATOGRAM SHOWING: PSILOCIN**Recovery:** > 90% (n=10)**LOD:** 10 ng/mL**DCN-900370-170**

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