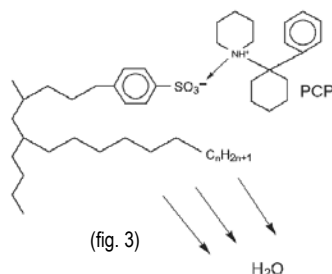


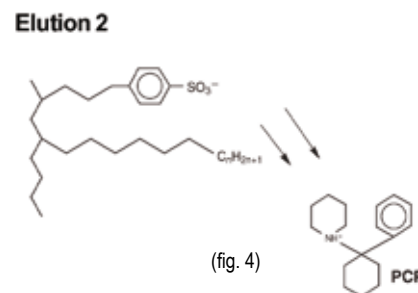
# Sample Prep - Solid Phase Extraction

## UCT Clean Screen® columns

Cationic analytes bound to the column can be eluted after another drying step. The drying steps are necessary to remove water which would have prevented the water-immiscible elution solvents from optimally interacting with the analytes (fig. 3).



To elute the cationic analytes, an organic solution with a high pH (between 11 & 12) should be used. A methylene chloride isopropanol-ammonium hydroxide mixture will simultaneously disrupt these ionic interactions and successfully elute the desired compound (fig. 4).



### Clean Screen® DAU

This column is copolymerized on a rigid, purified silica gel support. The two functional groups include a reverse phase, and an ion exchanger, benzenesulfonic acid. This column is commonly used for analyzing a wide range of drugs of abuse, including acidic, basic & neutral drugs.

**Application :** Dual functionality for weak bases and hydrophobic compounds.

P/N	Weight /Vol.	Qty
CSDAU131	130 mg/1 mL	100
CSDAU133	130 mg/3 mL	50
CSDAU203	200 mg/3 mL	50
CSDAU303	300 mg/3 mL	50
CSDAU503	500 mg/3 mL	50
CSDAU206	200 mg/6 mL	50
CSDAU506	500 mg/6 mL	50
CSDAU1M6	1 g/6 mL	30
ZSDAU005	50 mg/10 mL	50
ZSDAU013	130 mg/10 mL	50
ZSDAU020	200 mg/10 mL	50
CSDAU515	500 mg/15 mL	50

### Clean Screen® THC

This column is copolymerized on a rigid, purified silica gel support. The two functional groups include a reverse phase, and an ion exchanger, primary amine. This column is commonly used for analyzing THC and its metabolites.

**Application :** Dual functionality for acids and hydrophobic compounds.

P/N	Weight /Vol.	Qty
CSTHC131	130 mg/1 mL	100
CSTHC203	200 mg/3 mL	50
CSTHC303	300 mg/3 mL	50
CSTHC503	500 mg/3 mL	50
CSTHC206	200 mg/6 mL	50
CSTHC506	500 mg/6 mL	50
CSTHC1M6	1 g/6 mL	30
ZSTHC013	130 mg/10 mL	50
ZSTHC020	200 mg/10 mL	50
CSTHC515	500 mg/15 mL	50

### Clean Screen® GHB

The small polar nature of the molecule and the lack of a UV chromophore complicate the chromatographic and spectrophotometric analysis of GHB. Chemically, GHB is unstable and readily forms Gamma-butyrolactone when heated in acid conditions. Most analytical methods are based upon the interconversion to the lactone and chemical derivatization to form the TMS derivative. This column is for the extraction of free GHB.

P/N	Weight /Vol.	Qty
CSGHB203	200 mg/3 mL	50
ZSGHB020	200 mg/10 mL	50
ZCGHB020	200 mg/10 mL	50

