

WORK INSTRUCTIONS

3.6.1 Qualitative Confirmation of Basic and Neutral Drug Compounds in Blood

REFERENCE MATERIAL

Mixed Standard Solution

- ✓ Add designated volume of the following drug compounds.
- ✓ Total volume is 10mL.
- ✓ Solution is stable for 6-months @ room temperature.
- ✓ Record Preparation on standard log.

Stock Solution	Volume (μL) 1mg/mL Stock
Amitriptyline	20
Caffeine	20
Codeine	20
Diphenhydramine	20
Lidocaine	20
Meperidine	20
Methadone	20
Methamphetamine	20
Nicotine	20
PCP	20
Trazodone	50

Internal Standard Mix

Working Internal Standard Solution [10ng/mL]

Stock Solutions

Benzphetamine and Papaverine

Concentration: 1mg/mL (1 $\mu\text{g}/\mu\text{L}$)

Add 100 μL Benzphetamine and Papaverine stock solutions to 10mL volumetric ball flask. QS with methanol.

Solution is stable for three months when stored at room temperature.

COMMENTS

This method allows for analyst discretion when determining whether to reconstitute the sample with methanol or ethyl acetate. When reconstituted with ethyl acetate, instructions for the preparation of both an underivatized and a TMS-derivatized extract are provided. The analyst has the option of preparing either or both of these extracts.

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