Name of Procedure:

Extractions and Separations
Extraction of Lysergic Acid Diethylamide (LSD) From Sugar Cubes

Suggested Uses:

This procedure is used to extract LSD from sugar cubes.

Apparatus Needed to Perform Procedure Including Preparation of Reagent:

Fume hood
Eye protection
Gloves
Laboratory coat
Spot plate
Methanol
Micropipets, glass, disposable
Glass vial with cap
UV Light source

Application of Procedure on Evidence:

1. Place sugar cube under UV light and find the most concentrated spot of fluorescence. Hold this side closest to spot well.

2. Wash cube with methanol dropwise over spot well.

3. Collect concentrated methanol with micropipette as it evaporates around edge of spot well.

4. Transfer concentrated methanol to glass vial. The sample is now ready for further analysis.

Safety Concerns:

Methanol is a flammable organic solvent. LSD should not come into contact with skin.

Literature References:

Moffat, A.C., Ed., **Clarke□s Isolation and Identification of Drugs**, 2nd Ed., The Pharmaceutical Press, London 1986, p. 52.