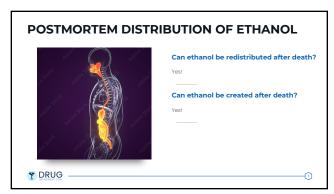


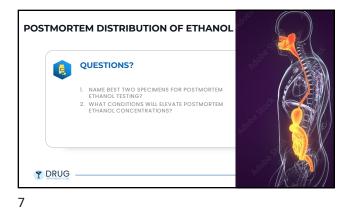






POSTMORTEM DISTRIBUTION OF ETHANOL Ethanol is found where after death? Peripheral blood (femoral or subclavian) Heart blood (central cavity) Stomach contents Urine Vitreous Humor Brain Tissue Liver Tissue Bile





POSTMORTEM TESTING TECHNIQUES &



Instrumentation

Headspace Gas Chromatography

Detector Options: Flame Ionization Detector Mass Spectrometry

Reporting Results

Dependent upon: Clinical versus forensic Medical examiner, coroner, crime lab Regulation/statute Embalmed or not

-0

-(2)

T DRUG -

8

MATRIX MATTERS: INTERPRETING RESULTS



Decedent is a 22-year-old male with blunt force trauma to the head and thoracic cavity from a single vehicle accident, car vs. tree.

Heart blood concentration = 420 mg/dL Vitreous humor concentration = 110 mg/dL

T DRUG -

MATRIX MATTERS: INTERPRETING RESULTS CASE # 2 Decedent is a 19-year-old female pending toxicology findings. Lost known to be binge drinking at party and passed out. No known alcohol use prior to death. Peripheral blood concentration = 370 mg/dL. Vitreous humor concentration = 300 mg/dL.

10



11

