Extraction Procedure for Estradiol and Estriol

Includes: Estradiol and Estriol

Cat #'s: EA 70 and EA 71

Materials Needed:

1. Ethyl Ether
2. Nitrogen Gas
3. 10x72 mm Glass Tubes

Procedure:

1. Pipet100 µL of plasma into a glass tube (10x75 mm) and add 1 mL of ethyl ether.
2. Vortex the tube for 30 seconds, then allow the phases to separate.
3. Transfer the organic phase into a clean glass tube and evaporate the solvent with a stream of nitrogen gas.
4. Dissolve the residue in 500 µL of diluted extraction buffer.
5. Vortex and assay 50 µL in duplicates.
6. Multiply the obtained values by 5 to give final concentrations in ng/mL. If the concentration is higher than the high range of the standard curve, the samples in #5 need to be further diluted and re-assayed.