

Extraction Procedure for Progesterone

Includes: Progesterone

Cat #: EA 74

Materials Needed:

1. Petroleum Ether
2. Nitrogen Gas
3. 10x75 mm Glass Tubes

Procedure:

1. Pipet 100 μ L of plasma into a glass tube (10x75 mm) and add 1 mL of petroleum 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 μ L of diluted extraction buffer.
5. Vortex and assay the following volumes for plasma concentrations:
Male: 50 μ L in duplicate wells
Female: 10 μ L in duplicate wells (Add 40 μ L of diluted extraction buffer in these wells).
6. Multiply the obtained values by 5 to give final the concentrations in ng/mL.
7. If the concentration is higher than the high range of the standard curve, the above extract should be further diluted and re-assayed.