



PlantExosure

Plant-derived Exosome Isolation Reagent

Struggling to isolate plant exosomes?

**Streamlines your research with
effortless extraction!**

**Use PlantExosure for easy isolation of
exosomes with just a simple
centrifugation step.**



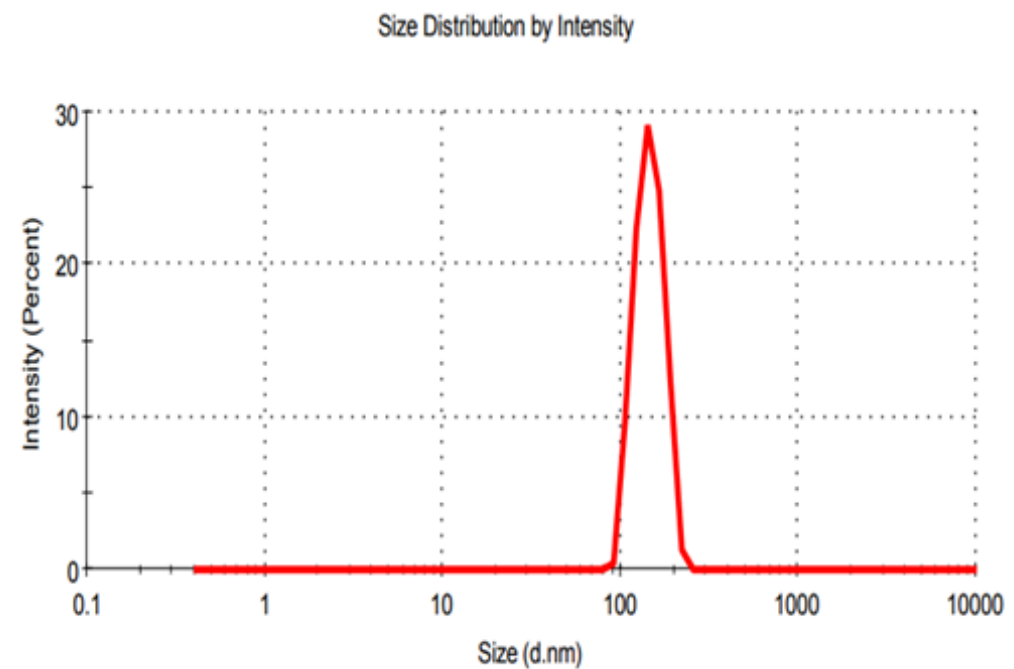
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PlantExosure

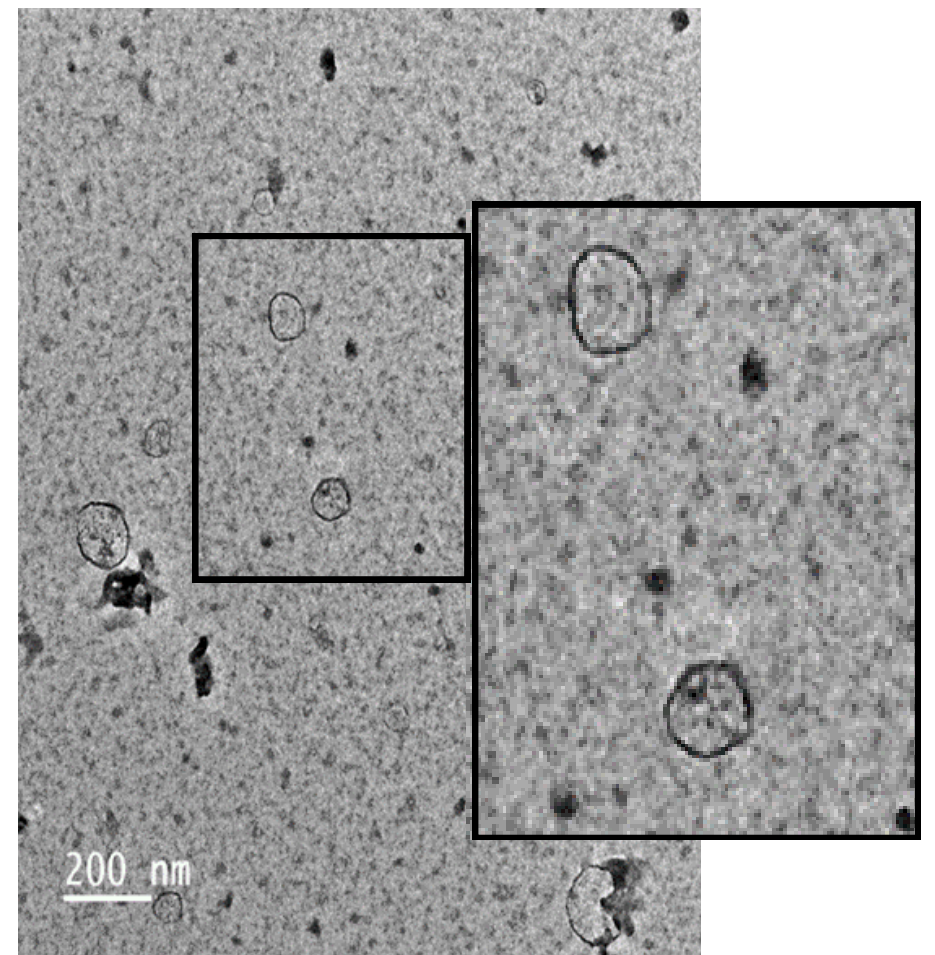
Plant-derived Exosome Isolation Reagent

- 0.2-0.25 gm shoot taken from fresh plants
- Wash the samples with 0.1% Tween-20 solution followed by distilled water
- The shoots were crushed properly by adding 2ml of chilled phosphate buffer saline (PBS) with a mortar pestle
- The sample was collected in a fresh MCT and centrifuged at 1000 rpm for 10mins
- Harvest the supernatant carefully without disturbing the pellet
- Centrifuge the harvested supernatant at 3000 rpm for 20mins,
- Harvest the supernatant carefully without disturbing the pellet and centrifuge the harvested supernatant at 10000 rpm for 1hr
- The supernatant is then collected in a fresh tube and filtered by a 0.2-micron syringe filter.
- 200ul of PlantExosure reagent was added in 1 ml of supernatant
- The solution was mixed properly by vortexing for 1 min and kept at 4°C for overnight
- The solution was centrifuged at 13000 rpm for 30 mins and the pellet was dissolved in 100ul of chilled PBS.
- The exosomes isolated from the plant are ready for further use

Note: Keep the isolated exosomes at 4°C for up to 1 week, or at -20°C for long- term storage.



DLS analysis of plant shoot derived exosomes.



TEM analysis of plant shoot derived exosomes.