

Transmission Electron Microscopy study of Secretome enriched through Biotex Exosome Isolation Kit

1. Sample: Secretome enriched through Biotex Exosome Isolation Kit

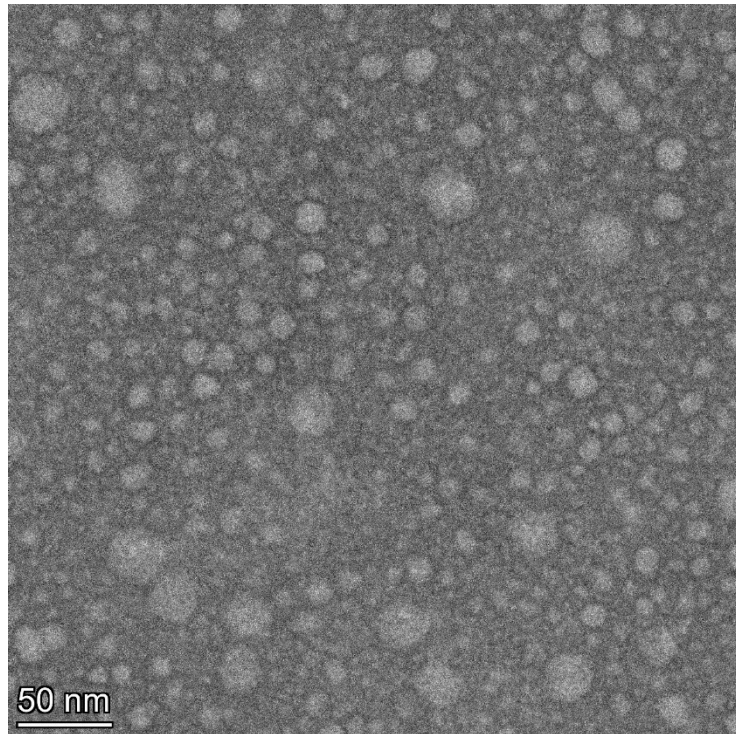
2. Sample preparation for electron microscopy study:

For negative staining 400 mesh carbon coated copper grids were used. For preparing each stained grid, Exosome were placed on a freshly glow discharged (15 mA for 20 seconds) grid. 5 μ L of Exosome were loaded on the freshly glow discharged grids and allowed to dry for 1 minute sitting on a sheet of Parafilm. The excess sample was wicked off with a filter paper (Whatman No. 1). Grids were stained using 5 μ L of 2% (w/v) uranyl acetate solution for 30 seconds and excess stain was wicked off from the grid using filter paper (Whatman No. 1). Finally, after wicking off bulk stain, the grid was allowed to dry for 30 minutes on a piece of Parafilm and used for imaging.

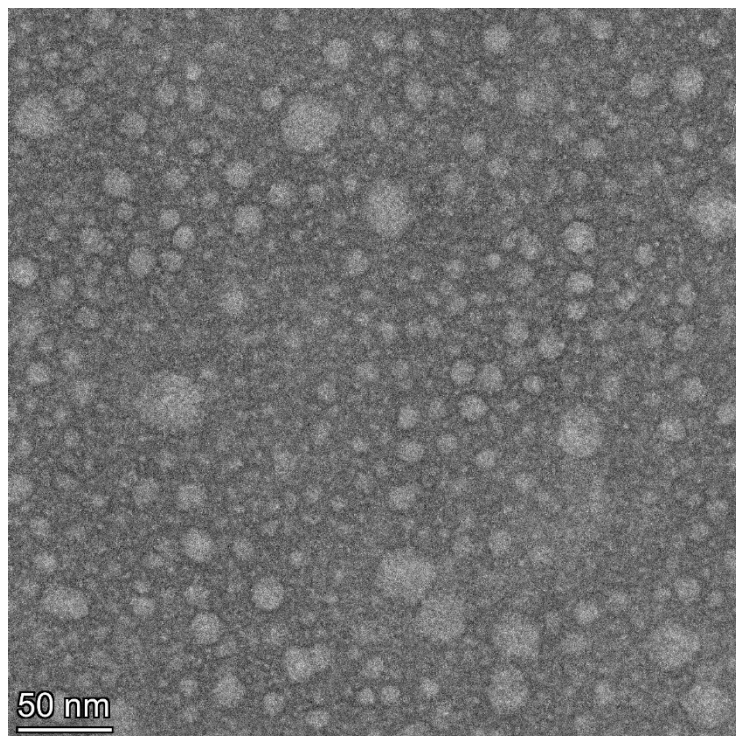
3. Data acquisition:

All the electron microscopy data were collected on a Talos L120C (Thermo Fisher scientific) transmission electron microscope operating at 120keV, using a CMOS-based CETA-M, 4K $\times$ 4K camera. The grids were loaded into the microscope and data were acquired using the Velox software (Thermo Fisher scientific), using different magnifications.

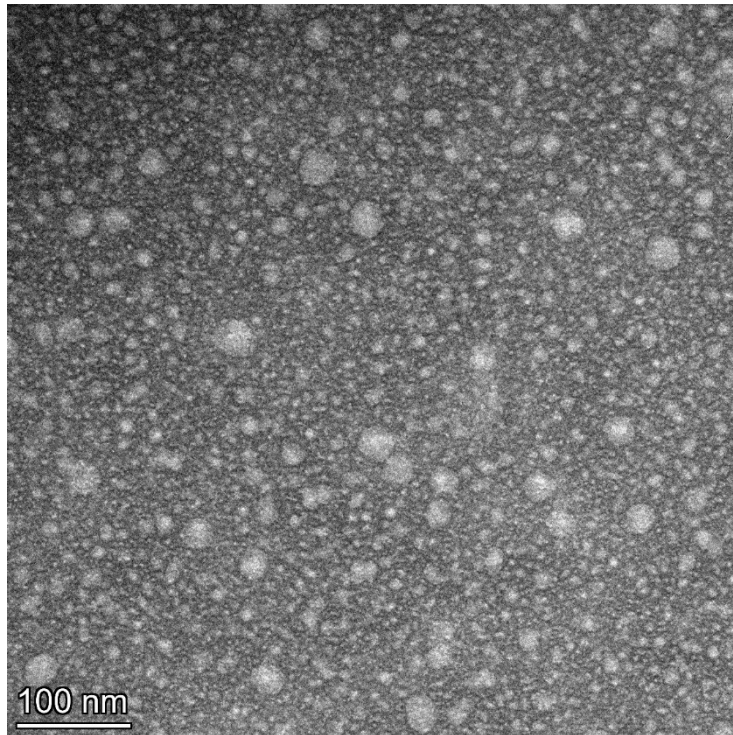
4. Reporting of the results:



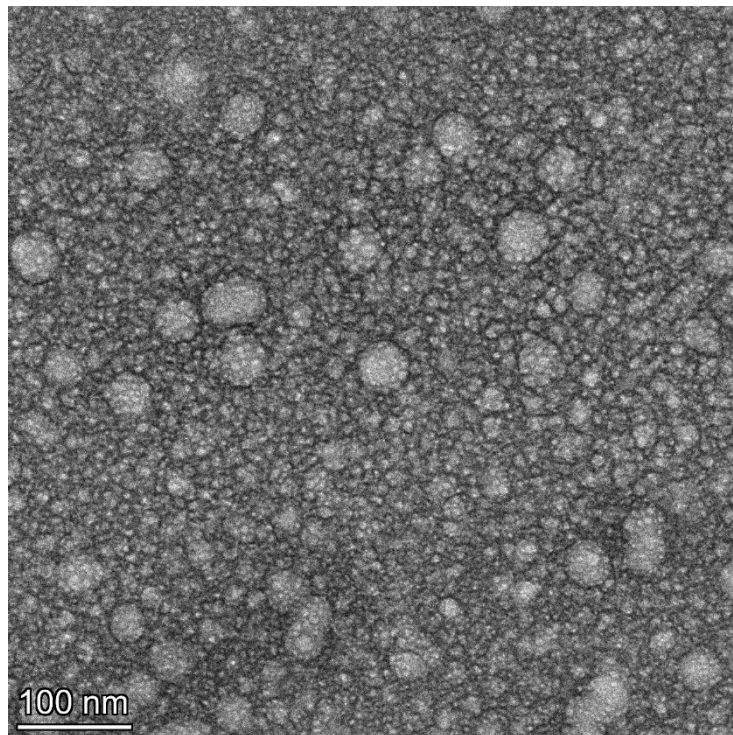
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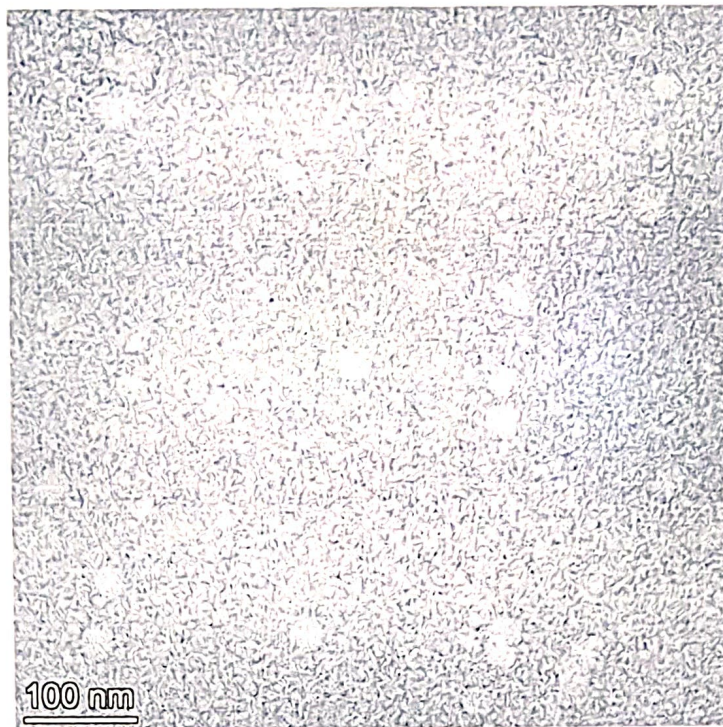
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