

Exosome-TEM-easy kit

Name: Exosome preparation kit for transmission electron microscopy imaging

Cat. #: P130-C

Application: This kit is for preparation of exosome samples for transmission electron microscopy imaging assay. This product is for research use only.

Product description: This is an easy-to-use tool helps you to prepare exosome samples for transmission electron microscope imaging, and to get good quality EM images of exosome structure. This kit contains all reagents and material for the experiment. The exosome purity and density is important for TEM assay. We recommend to use our PureExo kits to isolate exosomes before using this kit.

Kits content:

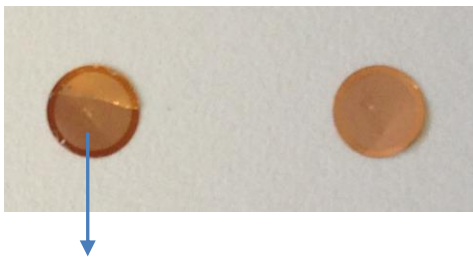
1. Formvar-carbon coated EM mesh 400 grid X 10
2. Wash buffer (1.5 mL)
3. EM solution (100 μ L)

Shipping / Storage: Ship and store at room temperature, for up to 12 months. Avoid light.

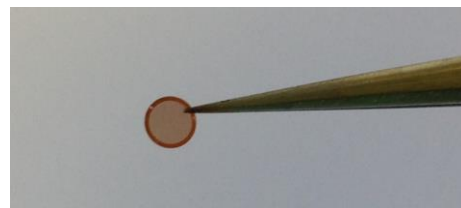
Other required materials:

1. Parafilm
2. Forceps (Dumont NO. 5), clean
3. Whatman NO. 1 filter paper (available from VWR, Sigma, or Fisher Sci.)
4. Transmission electron microscope (TEM).

Formvar-carbon coated EM mesh 400 grid:



This is coated side, which has an obvious shining edge. And the coated side is used to attach exosomes.



Use fine tip forceps to hand the grid carefully.

Protocol

1. Resuspend freshly isolated exosome.
2. Deposit 2 to 3 drops of exosome suspension (5-10 μ L each) on a clean parafilm. Float a Formvar-carbon coated EM grid on one drop of exosome with the **coated side facing the suspension (down)**. Let the grid membranes absorb exosomes for 10 minutes in a dry environment.

3. Deposit 20 μ L **wash buffer** drops on a clean parafilm. Using a fine tip forceps, transfer the grids (**coated side down**) to the wash buffer drops, and let the grid stand in the wash buffer drops for 30 seconds to wash.
4. Repeat step 3 (wash twice).
5. Deposit 10 μ L drops of **EM solution** on a clean parafilm. Transfer one grid (**coated side down**) to one drop and stand for 10 minutes. Avoid light.
6. Wash twice as described in step 3.
7. Transfer the grids to filter paper with the **coated side up**. Air dry at room temperature for overnight in dark place.
8. Scan exosomes under TEM. -- The end --

Customer also order from www.101Bio.com

<i>Better than Matrigel</i>	Real 3D Cell Culture Gel, 3-stiffness for different cells # P720
Mouse Tail DNA Extraction 2x Genotyping PCR (# T403)	20-Min. fast. Ready for PCR # T605 (free sample available) → <i>This PCR mix is a good match</i> for Mouse Tail DNA kit
<i>1-drop PCR Master Mix</i>	Squeeze a drop for PCR # W2599-5 (free sample available)
Mycoplasma Detection qPCR Kit (# T42030)	Probe qPCR detecting all Mycoplasma Species in One reaction tube. High sensitivity
<i>Lentiviral Expression Vectors</i>	4 promoters: SFFV, CAG, CMV, EF1. 4 selections
10x Virus Titer-up Boost	Increases Lenti/Retro virus titer up to 10-fold # P906/ P909
<i>Water Bath Clean Tablet</i>	1 tablet, whole bath clean / week. Cat. # T20
<i>Simple and Reliable</i>	SV40T / hTERT <i>Cell Immortalization Kits</i>