



透射电镜负染实验报告

一、实验器材

1、实验器材

名称	厂家	型号
透射电子显微镜	HITACHI	HT7800/HT7700
150 目碳膜铜网		

2、主要实验试剂

试剂	厂家	货号
2%磷钨酸	Servicebio	

二、实验步骤

- 1、外泌体悬液，病毒悬液，纳米材料悬液等样本，用移液枪吸取 20ul 样本滴在碳膜铜网放置 3-5min，然后用滤纸吸去多余液体。
- 2、将 2%磷钨酸滴在碳支持膜铜网放置 1-2min，用滤纸吸去多余液体，室温干燥。
- 3、透射电子显微镜下观察，采集图像分析。



TEM Negative Staining Report

1 Apparatus and reagents

1.1 Major apparatus

Name	Producer	Model
Transmission Electron Microscope	HITACHI	HT7800/HT7700
150 meshes cuprum grids with carbon film		

1.2 Major reagents

Name	Producer	Code
2% Phosphotungstic acid	Servicebio	G1102

2 Procedure

1. Took 20ul of exosome suspension, virus suspension, nanomaterial suspension or other suspension with a pipet-gun and dropped onto the copper grid with carbon film for 3-5min, and then use filter paper to absorb the excess liquid .
2. Dropped 2% phosphotungstic acid on the copper grid to stain for 1-2min, use filter paper to absorb excess liquid, and dry at room temperature.
3. The cuprum grids are observed under TEM and take images.