



Technical Data Sheet

ACS Material Analytical Testing of

Transmission Electron Microscope (TEM)

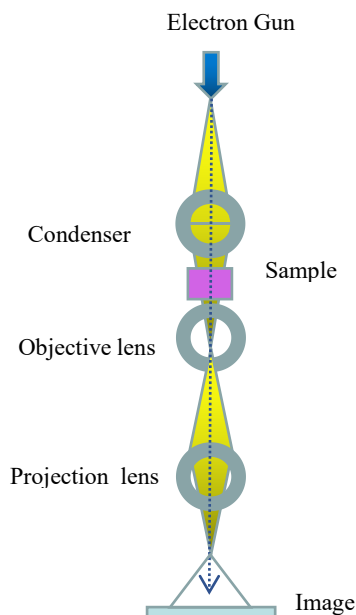
(Liquid/Powder/Film/Bulk)

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Test Service	Transmission Electron Microscope (TEM)
Instrument Model	FEI Tecnai F20, TF30, JEOL JEM 2100F, FEI Talos F200X
Test Content	EDS, Mapping, STEM, EELS
Sample Type	Liquid/Powder/Film*/Bulk*

*Film and bulk cannot be directly tested and need some preparation (ion thinning, double spraying, focused ion beam (FIB) and section, etc.). If these preparation are required, please contact us and confirm in advance.



Schematic of Transmission Electron Microscope

Notes:

1. Sample Requirements:

- For liquid sample: ≥ 5 mL.
- For powder sample: ≥ 5 mg.

2. Sample Composition Requirements:

- Safety: Non-toxic and Non-radioactive.
- Organics: Unable to perform Mapping test on samples with organics.

- **Magnetic:** Some materials are easily magnetized after being exposed to a magnetic field, and the magnetic enhancement after heating is also defined as a magnetic sample. Please confirm whether the sample is magnetic or not and list in the order form.
3. We will try our best to test, but there is no guarantee that the expected results will be obtained. This goes especially for magnetic samples or poorly conductive samples. We appreciate your understanding.
 4. The SCALE can be reached to 5 nm usually, but the photo quality is closely related to the sample condition.
 5. Please download and print the order form and send it with the sample after the order is completed.
 6. All samples are non-returnable and please contact us if you have special requests.

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