

TEM sample holder for Lithium or air sensitive sample study

PN-TEM-001

The lithium analysis by TEM requires to keep the sample under neutral atmosphere preventing its oxidation. For this purpose, JEOL has developed a special TEM sample holder.

The sample preparation is done in a glove box under atmosphere (Ar, N, ...) and then transferred to the TEM Lithium sample holder.

This sample holder has been designed with an internal chamber and airlock valve allowing to keep the sample under controlled atmosphere between preparation and analysis by TEM.



Glove box for sample preparation & transfert



Transfert
Sliding cover holder



Works with all JEOL TEM

Retainer retraction inside the internal chamber



Standard conditions

Sample under atmosphere

Specimen Retainer

Airlock valve

Area filled with gas

Focus on the internal chamber of the sample holder