

## K-kit Systems



The K-kit system is an innovative tool that allows the examination of liquids in a TEM without the use of specialized TEM holders, feedthroughs or equipment. K-kits are sample holders designed to facilitate TEM observations of liquid samples, allowing nanoparticles, aggregates, and agglomerates to be characterized in the liquids. With vacuum compatible sealing of liquids in electron-transmitting thickness, K-kits are micro reaction chambers for countless experiments in materials, chemical and biological research.

- Definitive: Direct observation in final product form or relevant media, minimizing artifacts.
- Quantitative: Image-based statistical analysis of aggregation and agglomeration as well as particle concentration.
- Comprehensive: All physicochemical characterization requirements can be addressed.

Each specimen cell is in its own carrier which includes a clear cap, a carrier with K-kit sitting on top of the plate and a bottom compartment housing a copper grid. The carrier is designed as a protective container during storage and shipment. It also serves as sample preparation facilitator and thus, the K-kit stays on the carrier plate for the entire sample preparation protocol until after the copper grid is attached.



05245-AB  
K-kit A: Chamber Height  
200nm, Pkg 6  
\$ 600.00



05246-AB  
K-kit B: Chamber Height 2.0um,  
Pkg 6  
\$ 600.00



05248-AB  
K-kit Sampler: (2) 200nm and (2)  
2.0um chamber height  
\$ 400.00

## K-kit Accessories



These K-kit specific tools make working with K-kits easy.

- The Sample-Loading Tool Set consists of an anodized aluminum header and stainless steel rod that holds the K-kit during the preparation process and holds the liquid to be introduced into the K-kit.
- The Glue Station Tool Set consists of a needle pen with anodized aluminum body and replaceable stainless needle that is used in sealing the K-kit opening after sample insertion, and the glue station base that holds the K-kit in place while the sealing occurs.
- The Channel Tip Breaker is a tool designed to remove the tip plug found on the K-kits. These plugs keep the channel free of dust before use. The tip remover is used prior to the loading of the sample. It is composed of anodized aluminum.
- The K-kit Starter kit consists of all essentials for K-kit loading: two vials mounting glue, two vials sealing glue, channel tip breaker, four stirring sticks, two stainless steel thin needles
- The K-kit Accessory Box consists common consumable and spare parts used in K-kit preparation: mounting glue, sealing glue, four stirring sticks, spare needle, Allen Key, two liquid stages
- The K-kit Tool Box consists of essentials tools for the preparation of K-kit samples. The tool box includes: K-kit Accessory Box, K-kit holder, sample loading stage, needle pen, gluing stand, glass slides, K-kit shipping box with six empty slots



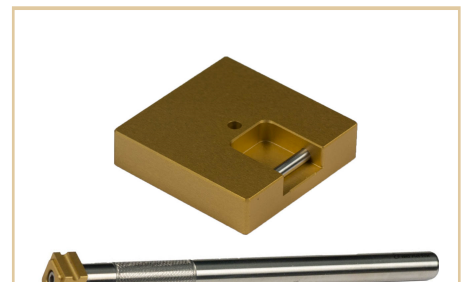
05240-AB

**K-kit System: Accessory Box**  
\$ 50.00



05241-AB

**K-kit System: Glue Station Tool Set**  
\$ 220.00



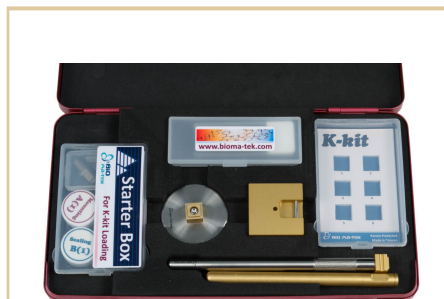
05242-AB

**K-kit System: Sample Loading Tool Set**  
\$ 220.00



05243-AB

**K-kit System: Starter Box**  
\$ 50.00



05244-AB

**K-kit System: Tool Box**  
\$ 500.00



05247-AB

**K-kit System: Channel Tip**  
\$ 25.00