

Universal SEM Sample Holder and SEM Stub Adapter Kit

The universal SEM sample holder and SEM stub adapter kit has been created to hold a wide variety of SEM samples up to 42mm. The samples can be flat, round, block or awkwardly shaped. Also included is a useful selection of SEM stub adapters which enables the kit to be used on virtually any SEM. Fully compatible with FEI/Philips, JEOL, Hitachi, Tescan, Zeiss/LEO and other brands of SEMs.

Ideally suited for:

- multi-user environments
- labs with different brands of SEMs
- labs with a large and changing variety of samples
- service labs to cope with different sample stubs
- portability between SEM platforms

The selection of SEM sample holders all include an M4 threaded hole. Fully compatible with the SEM stub adapters provided in this universal sample holder kit and with Hitachi SEMs.

Included SEM stub adapters in the kit are:

- pin stub adapters for FEI/Philips, Zeiss/LEO, Tescan, Amray
- a 12.2mm JEOL stub adapter with M4 screw
- a 12.2mm JEOL stub adapter for pin stubs
- Multi pin holder doubles as pin stub adapter for Hitachi SEMs.

List of included items: Compact vice clamp 0.22mm, Mini vice clamp 0.6mm, Multi holder for 4 pin stubs, Universal spring loaded vice holder up to 42mm, Bulk sample holder up to 32mm Ø, 3x S clip on 25mm Ø M4 stub, 2x S clip on 45/90° 25mm Ø M4 stub, Short pin stub adaptor with rim to M4, Std pin stub adaptor with rim to M4, Long pin stub adaptor with rim to M4, JEOL 12.2mm Ø stub to pin, JEOL 12.2mm Ø stub to M4.

The complete kit is presented in a high quality wooden box with all the SEM sample holder and adapters neatly arranged in a hard plastic insert. This kit can also be used to convert SEM sample stubs up to 32mm diameter to fit other SEM brands.

S475 Universal SEM sample holder and stub adapter kit in wooden box, complete with insert.





EM-Storr Vacuum Storage & Shipping Container for FIB, SEM, TEM, & Calibration Specimens

The EM-Storr vacuum sample storage container has been specifically developed to store and protect SEM/FIB/TEM samples and calibration standards under vacuum. It protects valuable samples from air, moisture and dust. The superior EM-Storr vacuum container is constructed to the highest standards using high vacuum compatible materials, vacuum grade aluminium, a hardened safety glass lid, NBR O-ring and an all metal high vacuum valve with PTFE shaft seal. The outside of the aluminium container is hard anodised for protection. To reduce outgassing and to hold vacuum for extended periods, the inside surface is machined vacuum grade aluminium with a hardened glass lid. The EM-Storr vacuum desiccator is capable of reaching vacuum in the 10^{-4} mbar range. The vacuum connection for pump-down is a 6mm (1/4") barbed hose fitting – compatible with 6mm thick wall silicon vacuum hose. The EM-Storr vacuum containers are stackable and the octagonal design is optimised for handling, strength and weight.

Features

- Protects oxygen sensitive and/or moisture sensitive samples
- Protects samples and calibration standards against contamination
- Designed for SEM pin stubs and/or Hitachi M4 stubs
- Ideal for storing and transporting sensitive samples
- Clear hardened glass lid provides excellent vacuum seal
- Easy sample location through clear glass lid
- Sturdy, space-saving stackable and octagonal design

V106 EM-Storr vacuum sample storage container for 19 x 12.7mm Ø pin stubs

V107 EM-Storr vacuum sample storage container for 19 x 15mm Ø Hitachi stubs

V108 EM-Storr vacuum sample storage container for 60 TEM grids

V109 EM-Storr vacuum sample storage container for 100 FIB lift-out grids in box

V110 Replacement glass lid for EM-Storr vacuum sample container, 100mm Ø x 10mm



Vacu-Storr High Vacuum EM Sample Storage Containers

Protect Sensitive Samples & Calibration Standards

The Vacu-Storr high vacuum glass storage container have been especially developed for protecting materials and samples which are sensitive to dust, moisture, oxygen or other gases found in the environment. The containers consists of a soda lime glass jar, nickel plated aluminium lid, Viton O-ring seal and a metal sealed high vacuum valve. The high vacuum valve has a 6mm (1/4") barbed hose fitting to connect the hose to a vacuum pump or vacuum pumping system. The Vacu-Storr desiccators are capable of reaching a vacuum level of 10^{-4} mbar and expect to have an estimated vacuum holding time of 5 years to 100mbar. There are 4 sizes available, all supplied with a protective plastic netting and a protective polymer coating on the outside to prevent damage.

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|-------------|-----------------------|-----------------|
| V111 | Vacu-Storr Small | Capacity 40ml |
| V112 | Vacu-Storr Medium | Capacity 320ml |
| V113 | Vacu-Storr Large | Capacity 680ml |
| V114 | Vacu-Storr Xtra Large | Capacity 3800ml |

Dimensions & Capacities of Vacu-Storr

| Container | Vacu-Store Small | Vacu-Storr Medium | Vacu-Storr Large | Vacu-Storr X-large |
|-----------------------|------------------|-------------------|------------------|--------------------|
| Inside diameter | 41mm | 76mm | 76mm | 140mm |
| Outside diameter | 54mm | 85mm | 90mm | 153mm |
| Volume | 40cc | 320cc | 680cc | 3800cc |
| Top opening diameter | 40mm | 75mm | 75mm | 75mm |
| Inside useable height | 30mm | 71mm | 150mm | 305mm |
| Total height | 95mm | 140mm | 190mm | 350mm |