



## TECHNICAL DATA SHEET

### Product:

AD-SEAL – SQ18, ID10, Thick 100  
Inert Adhesive Spacers for Light Microscopy

### Catalog Numbers:

ADS-18-10100-20 (20 pcs)  
ADS-18-10100-100 (100 pcs)

### Product Description:

**AD-SEAL** is a brand of spacers produced for light microscopy sample preparation. These spacers are designed as a special durable non-transparent layer of inert adhesive with a precisely defined size and thickness.

The spacer precisely defines the space between the cover and the substrate glass or between two covers, depending on the mode of use. This is crucial for protecting the mounted biological structures, as it protects them from both external pressure and capillary pressure between the two glasses, which is most commonly the cause of spreading or flattening of the biological specimen.

With the use of AD-SEAL spacers, it is possible to use liquid non-setting mounting media without the need for further fixation with varnish or glue. Proper use of AD-SEAL also prevents the release and leakage of mounting media from the space of the microscopic specimen. AD-SEAL is produced in black color for quick navigation on the spacer edge during microscopic observation.

AD-SEAL spacers are recommended to use together with AD-MOUNT non-hardening mounting media. This combination is suitable for mounting bigger biological objects, e.g. oocytes, early embryos or organoids.

### Key Features:

- **Precision and Durability:** AD-SEAL spacers have a defined size and thickness, ensuring that the space between the cover and substrate glass, or between two covers, is precisely maintained.
- **Ready-to-Use:** These spacers are ready-to-use, requiring no additional preparation.
- **Recommended for AD-MOUNT Media:** important improvement for non-hardening mounting media handling and sealing larger biological structures such as oocytes, early embryos, or organoids.

### Storage Instructions:

A temperature range of 4-30°C is recommended.

### After Application Resistance:

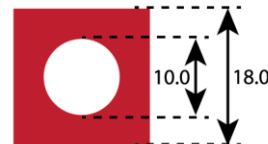
The bond's resistance limits range from -40°C to 120°C.

### Additional Notes:

For research use only. Proper use of AD-SEAL prevents the leakage of mounting media from the space of the microscopic specimen. The spacers are produced in black for easy navigation during microscopic observation.

For any further queries or technical assistance, please contact our customer service department.

## Square spacer properties



**Size:** 18 x 18 mm

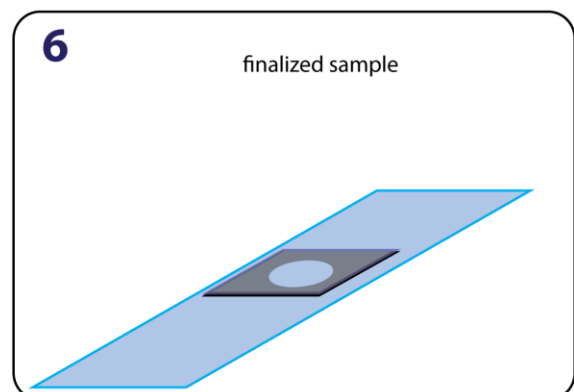
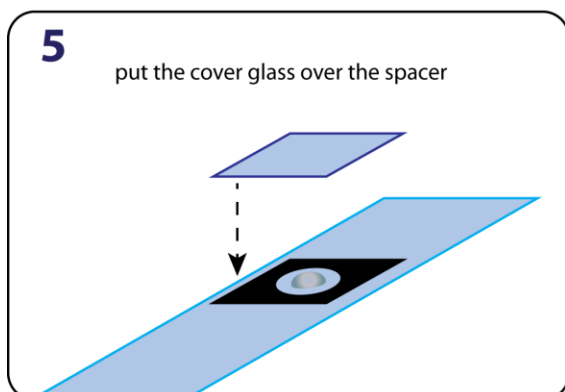
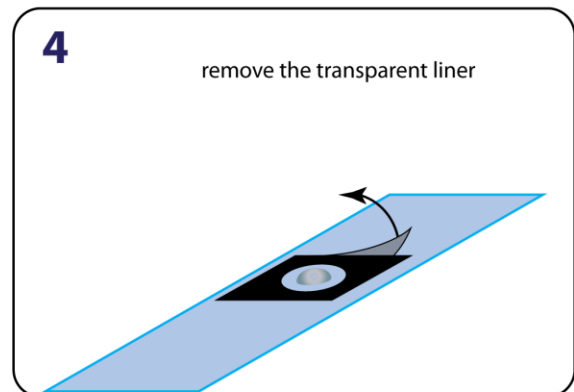
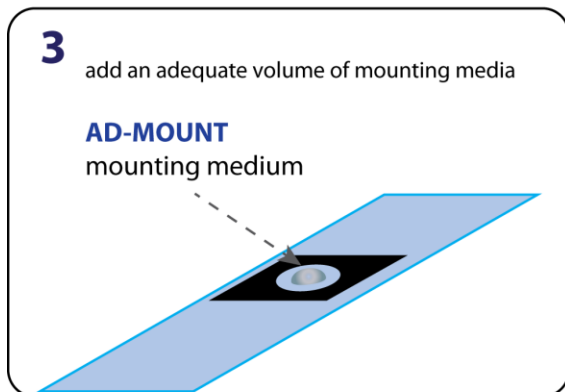
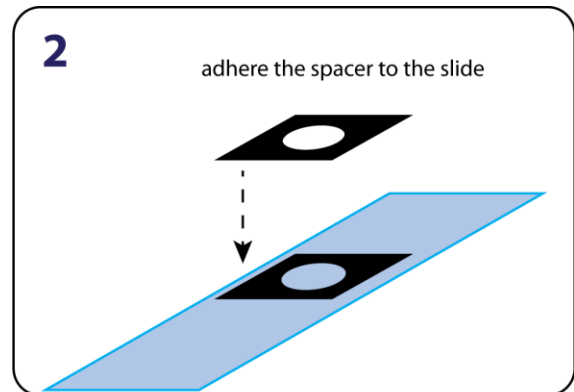
**Inner window size:** 10 mm

**Thickness:** 0.10 mm

**Final color:** transparent

### General Optimized Procedure:

The illustrated procedure describes the step-wise manner in usage of **AD-SEAL** spacers. The removing the covering paper from the spacer (1), adhering the spacer to the slide (2), adding the mounting media – at this step where the bigger samples like oocytes, organoids are added (3), removing the covering transparent liner (4) and finalizing by placing the cover glass over the spacer (5, 6).



**Note:** This procedure is a general recommendation and may need to be optimized for individual laboratory procedures.

Explore ADVI step-by-step protocols on the VIDEO PROTOCOLS: From Washing to Mounting

<https://www.advi-web.com/en/category/advi-edu/washing-mounting/>

