

Instructions for Use

MYCOSEAL™

Cat. no. SS9225	MycoSeal™, 500ml jar	60 shrink seals/jar
Cat. no. SS6000	MycoSeal™, 5 gallon bucket	6000 shrink seals/bucket

INTENDED USE

Hardy Diagnostics MycoSeal™ cellulose shrink seals are recommended for sealing 15x100mm petri plates.

SUMMARY

MycoSeal™ is a cellulose shrink seal designed to keep petri plate lids tightly sealed. Sealed plates retain their moisture and stay fresh longer. Ideal for mycology and TB cultures, MycoSeal™ prevents dehydration and cracking of the media and yet still allows both oxygen and carbon dioxide gas exchange.⁽³⁾ The tight seal also prevents the accidental release of mycobacteria and fungal spores.

MycoSeals™ are also recommended for use with the "micro colony" method for early detection of mycobacteria growing on a Middlebrook 7H11 Agar plate.⁽⁴⁾

FORMULA

Each container of MycoSeal™ contains cellulose shrink seals (60/jar or 6000/bucket) in a preservative solution. The solution contains 7% polyethylene glycol, 0.1% para chloro meta cresol, and 0.02% chlorhexidene diacetate, in deionized water.

STORAGE AND SHELF LIFE

Storage: Upon receipt store at 2-30°C. Protect from excessive heat.

The expiration date on the product label applies to the product in its intact packaging when stored as directed. The product may be used and tested up to the expiration date on the product label and incubated for the recommended incubation times as stated below.

Refer to the document "[Storage](#)" for more information.

PRECAUTIONS

This product may contain components of animal origin. Certified knowledge of the origin and/or sanitary state of the animals does not guarantee the absence of transmissible pathogenic agents. Therefore, it is recommended that these products be treated as potentially infectious, and handle observing the usual Universal Precautions for blood. Do not ingest, inhale, or allow to come into contact with skin.

This product is for *in vitro* diagnostic use only. It is to be used only by adequately trained and qualified laboratory

personnel. Observe approved biohazard precautions and aseptic techniques. All laboratory specimens should be considered infectious and handled according to "standard precautions." Refer to the document "[Guidelines for Isolation Precautions](#)" from the Centers for Disease Control and Prevention.

For additional information regarding specific precautions for the prevention of the transmission of all infectious agents from laboratory instruments and materials, and for recommendations for the management of exposure to infectious disease, refer to CLSI document M29: *Protection of Laboratory Workers from Occupationally Acquired Infections*.

Sterilize all biohazard waste before disposal.

Refer to the document "[Precautions When Using Media](#)" for more information.

PROCEDURE

After inoculating, place petri dish on a flat surface, with lid facing down. Then place seal around the plate and leave undisturbed. The seal will shrink and seal around the plate in about 2 hours at room temperature (2-30°C.). Sealing time is shorter if placed in the incubator. The seal can easily be cut for removal.

Due to the volume of liquid in the jar used to preserve the seals, place the jar on a secure, solid surface before closing. Press evenly on the lid until it clicks to align the threads. Once the threads are aligned, the lid can be tightened securely for long-term storage.

MATERIALS REQUIRED BUT NOT PROVIDED

Standard microbiological supplies and equipment such as inoculating loops, needles, incubators, incinerators, biological safety cabinet, petri plates, and microbiological culture media, etc., are not provided.

PHYSICAL APPEARANCE

MycoSeal™ should appear as clear celon bands in a clear, colorless liquid.

REFERENCES

1. Jorgensen., et al. *Manual of Clinical Microbiology*, American Society for Microbiology, Washington, D.C.
2. Tille, P., et al. *Bailey and Scott's Diagnostic Microbiology*, C.V. Mosby Company, St. Louis, MO.
3. Traylor, M.T. 1994. CO₂ penetration of MycoSeal™ cellulose shrink seals: an in-house study. Hardy Diagnostics.
4. Welch, David F., et al. 1993. *Journal of Clinical Microbiology*, Vol. 31, No. 8; 2178-2184. American Society for Microbiology.

IFU-10597[A]



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