

Bead beating plate sealing

Pub. No. MAN0018558 Rev. A.0

WARNING! Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](https://www.thermofisher.com/support).

About this guide

This document guides users through the correct method for sealing plates with MicroAmp™ Clear Adhesive Film and foil seals.

Required materials not supplied

Unless otherwise indicated, all materials are available through [thermofisher.com](https://www.thermofisher.com). "MLS" indicates that the material is available from [fisherscientific.com](https://www.fisherscientific.com) or another major laboratory supplier.

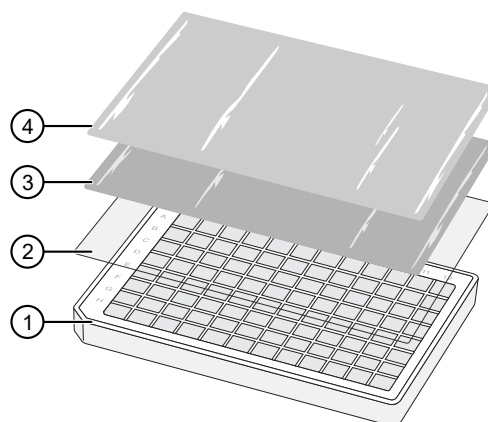
Item	Source
Bead beating plate	A42357
(Optional) MicroAmp™ Adhesive Film Applicator	4333183
MicroAmp™ Clear Adhesive Film	4306311
Foil Seals (x2)	MLS

Seal the plate with film, then foil

1. Add Lysis buffer to the bead plate first, then add the sample as directed in the protocol.
2. Gently wipe or clean the top of the plate with a kim wipe to clean any sample sticking to the top of the plate before sealing.
3. Press MicroAmp™ Clear Adhesive Film onto the plate.
4. Ensure edges and wells are sealed properly using either your thumb or a plate sealer (For instructions on using a plate sealer, see "Seal the plate using the plate sealer tool" on page 2).
Make sure that edges are tightly sealed when pressing with your thumb.
5. Press the first foil seal onto the plate on top of the film.
6. Ensure edges and wells are sealed properly using either your thumb or a plate sealer.
Make sure that edges are tightly sealed when pressing with your thumb.
7. Press the second foil seal onto the plate on top of the film.

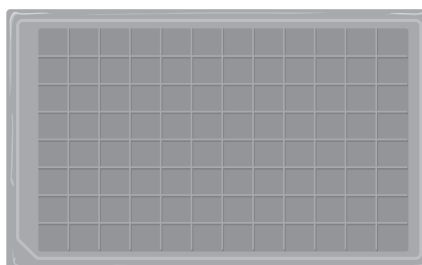
8. Ensure edges and wells are sealed properly using either your thumb or a plate sealer.

Make sure that edges are tightly sealed when pressing with your thumb.



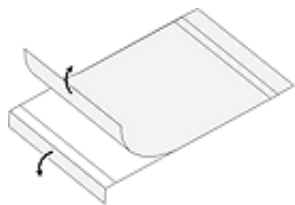
- ① Plate
- ② MicroAmp™ Clear Adhesive Film
- ③ First foil seal
- ④ Second foil seal

After the plate has been sealed with the film and two foil seals, ensure that all the edges are sealed and the outline of each well is visible. The sealed plate should look as follows.



Seal the plate using the plate sealer tool

1. Remove the backing from the adhesive film.



2. Place the adhesive film on the plate, making sure to cover all the wells.
3. Rub the flat edge of the applicator back and forth along the long edge of the plate.



4. Rub the flat edge of the applicator back and forth along the short edge (width) of the plate.



5. Rub the end of the applicator horizontally and vertically between all wells.



6. Rub the end of the applicator around all outside edges of the plate using small back and forth motions to form a complete seal around the outside wells



Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale at www.thermofisher.com/us/en/home/global/terms-and-conditions.html. If you have any questions, please contact Life Technologies at www.thermofisher.com/support.



For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

The information in this guide is subject to change without notice.

DISCLAIMER: TO THE EXTENT ALLOWED BY LAW, THERMO FISHER SCIENTIFIC INC. AND/OR ITS AFFILIATE(S) WILL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, MULTIPLE, OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THIS DOCUMENT, INCLUDING YOUR USE OF IT.

Important Licensing Information: This product may be covered by one or more Limited Use Label Licenses. By use of this product, you accept the terms and conditions of all applicable Limited Use Label Licenses.

©2020 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified.