



**MicronPlus sealing films and mats provide adhesive-free areas that are not in contact with the well contents when sealing a plate. They also do not require the use of a heat sealer.**



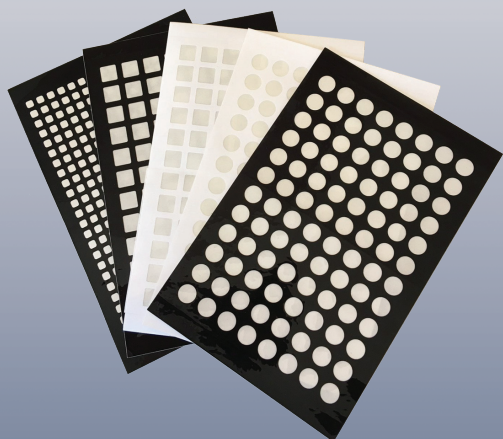
**MicronPlus** is the patent holder and manufacturer of innovative life science products. MicronPlus introduces alternative sealing products for microplates that overcome many drawbacks of commercially available sealing films and mats. This process is achieved by the application of pattern adhesive technology, which provides adhesive-free areas that are not in contact with the well contents when sealing films and mats adhere to a plate.

MicronPlus Pattern Adhesive Technology enables researchers to have an option of choosing their optimum barrier film, adhesive, and design that fits their specific microplate sealing needs. MicronPlus products have the features that make them ideal covers for microplates and vials.

**Optical Clarity, Pierceability, Chemical Resistance, and RNase-DNase Free.**

**Product Categories:**

- PTFE sealing films 96-well round, square, pre-slit, 384-well square and pre-slit
- Silicone sealing mats, 96-well round, square, 384-well square and individual patches available
- Automation solutions
- Custom designs available



**Pattern Adhesive PTFE Sealing Film (Patented): No Heat Sealer Required**

Pattern Adhesive PTFE Sealing Film (Patented):  
Sealing Solution for All Applications, Optically Clear,  
Adhesive-Free Well Coverage

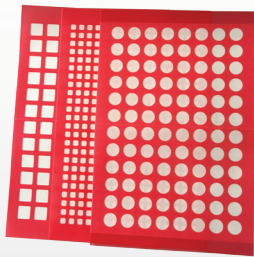
- Outstanding performance with Auto samplers
- Only 0.5 lb force needed to pierce
- No coring of material
- No clogging of needles
- Designed for short term and long term sample storage from -20°C to -80°C
- Excellent performance for PCR applications, 40 cycles, hot lid at 100°C
- User friendly design – Perfect alignment each time
- No cross-contamination or evaporation

| Product Number | Description  | Pkg Size  | Price    |
|----------------|--|-----------|----------|
| MIP2214UB      | Sealing Film Plus, 96-Well Round, PTFE 2mil, Black Adhesive                      | 100 films | \$362.20 |
| MIP2214SB      | Sealing Film Plus, 96-Well Square, PTFE 2mil, Black Adhesive                     | 100 films | 376.80   |
| MIP2214384B    | Sealing Film Plus, 384-Well Square, PTFE 2 mil, Black Adhesive                   | 100 films | 436.00   |
| MIP2214UXR     | Sealing Film Plus, 96-Well Round, Centers Pre-slit, PTFE 2 mil, Red Adhesive     | 100 films | 376.80   |
| MIP2214SXB     | Sealing Film Plus, 96-Well Square, Centers Pre-slit, PTFE 2 mil, Black Adhesive  | 100 films | 391.40   |
| MIP2214384BX   | Sealing Film Plus, 384-Well Square, Centers Pre-slit, PTFE 2 mil, Black Adhesive | 100 films | 480.00   |

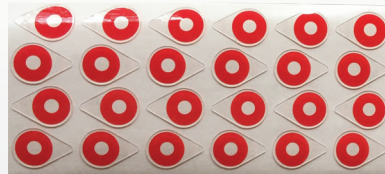
## Silicone Pattern Adhesive Sealing Mats and Patches

MicronPlus silicone mat is designed to replace the difficult-to-use dimpled mats. Construction of this mat with high grade silicone material plus superior adhesive makes it a perfect candidate for variety of applications. The self-sealing characteristic of this Silicone prevents evaporation of the contents of the wells. Dimple-free silicone mat permits precise withdrawal and injection of liquid and then it reseals after needle removal. MicronPlus mat bonds to the microplate firmly and eliminates the need for a plate sealer equipment that is used for traditional dimpled mats.

- Easy to use; no dimples
- Firm seal at -80 °C to +120 °C
- Adhesive-Free Target areas
- Superior Resealability after multiple injections



Sealing mats are available in 96-well round, 96-well square and 384-well square.



The silicone patch is ideal for sealing individual wells or being attached to any surface to be used for withdrawal or injection of liquids.

| Product Number | Description   | Pkg Size  | Price    |
|----------------|---|-----------|----------|
| MIP6514U       | Sealing Mat Plus, 96-Well Round, Silicone 10 mil, Red Adhesive      | 50 mats   | \$888.00 |
| MIP6514S       | Sealing Mat Plus, 96-Well Square, Silicone 10 mil, Red Adhesive     | 50 mats   | 931.00   |
| MIP6514384     | Sealing Mat Plus, 384-Well Square, Silicone 10 mil, Red Adhesive    | 50 mats   | 1,015.00 |
| MIP6135TR      | Silicone Patch, Silicone 20 mil, Red Adhesive, 36 patches per strip | 50 strips | 2,337.00 |

## MicronPlus Automated Sealer System with Roll Format Films

MicronPlus Sealer provides a highly accurate and reliable placement of any format of Pattern Adhesive Seal Films and Silicone Seal Mats. This automated system provides maximum accuracy with measured results as +/- 0.035mm. The system is configured specifically for integration into automated assembly solutions or as a stand-alone unit.

### Key Features

- No heat required
- Seals up to 15 plates per minute
- Precise alignment of pattern adhesive seal on the plate
- Compatible with a wide range of plate types
- Available as a stand-alone unit or integrated into an automation system
- Dimensions: 35" x 45" x 38"
- Weight: 70 lbs



| Product Number | Description   | Pkg Size           | Price      |
|----------------|---|--------------------|------------|
| MIP2214URO     | Sealing Film Plus, 96-Well Round, PTFE 2 mil, Red* Adhesive, Roll Format            | 1 roll of 560 mats | \$2,029.00 |
| MIP2214SRO     | Sealing Film Plus, 96-Well Square, PTFE 2 mil, Red* Adhesive Roll Format            | 1 roll of 560 mats | 2,110.00   |
| MIP2214384RO   | Sealing Film Plus, 384-Well Square, PTFE 2 mil, Red* Adhesive, Roll Format          | 1 roll of 560 mats | 2,438.00   |
| MIP2214UXRO    | Sealing Film Plus, 96-Well Round, Pre-Slit, PTFE 2 mil, Red* Adhesive, Roll Format  | 1 roll of 560 mats | 2,110.00   |
| MIP2214SXRO    | Sealing Film Plus, 96-Well Square, Pre-Slit, PTFE 2 mil, Red* Adhesive, Roll Format | 1 roll of 560 mats | 2,192.00   |
| MIP2214384XRO  | Sealing Film Plus, 96-Well Round, Pre-Slit, PTFE 2 mil, Red* Adhesive, Roll Format  | 1 roll of 560 mats | 2,683.00   |

\* Black also available, please inquire.  
MicronPlus Automated Sealing System - Please contact us for pricing.

## Custom Design

MicronPlus will make the sealing products to fit specific design and application needs. All their products can be manufactured using different materials, geometry, and variety of adhesives. Contact <sup>MJS</sup> BioLynx Inc. to discuss your application.