

Sealing Films



Protect your samples against evaporation and contamination

For PCR, cell culture, automation and many other applications

For all plates in ANSI/SLAS format



BRAND. For lab. For life.

Sealing Films from BRAND®

With self-adhesive sealing films from BRAND, you can cover your samples and securely seal them. BRAND offers a wide range of easy-to-handle sealing films with application-specific features, so you can rely on your samples being protected in any application.

- Easy to apply and remove without expensive equipment
- Reliable adhesion for optimum protection and minimized evaporation loss
- Light-blocking films for protection of light-sensitive samples
- Highly-transparent films for optimal measurement results
- Gas-permeable films for cell and tissue cultures
- Black and white films for sensitive fluorescence and luminescence measurements



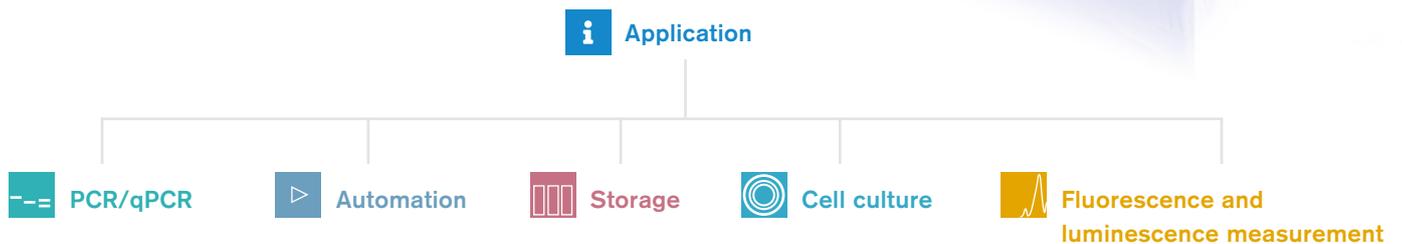
Advantages

Selecting the right sealing film for your application improves your workflow efficiency and the quality of the results:

- Reliable results due to contamination prevention
- Cost reduction due to minimized evaporation loss
- Application optimization due to supportive film properties, such as light transmission and transparency



The right film for your application



Protecting your samples is a high priority. In addition to preventing contamination and evaporation loss, sealing films provide optimal support for your application and enable you to achieve excellent

results. The more clearly you define your application, the easier it is to select the right sealing film.

Sealing films for PCR and qPCR

Whether standard PCR, qPCR or digital droplet PCR, the source material is always valuable and the volume always low. To protect samples and maintain their sensitivity at the same time, PCR samples must be perfectly sealed.

Requirements for PCR/qPCR sealing films:

- Temperature stability over 100 °C
- Tight seal for minimizing evaporation
- Highly transparent for use in qPCR methods

qPCR film

This film is suitable for real-time PCR, ELISA and other colorimetric applications. The film is highly transparent and has minimal autofluorescence. In addition, film 781391 can be easily repositioned for a perfect seal thanks to pressure-sensitive adhesive beads which are only activated when pressure is applied.

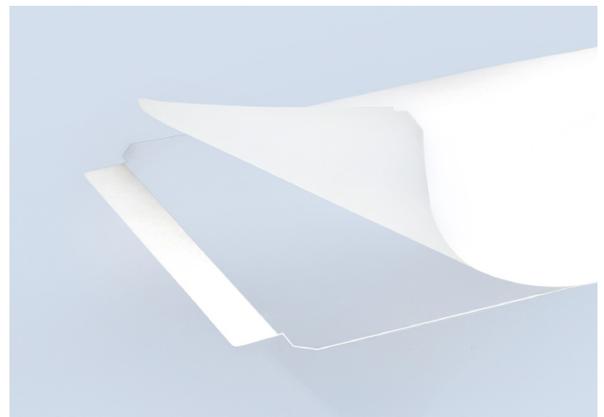
| Description | Material | Pack of | Cat. No. |
|-------------|-----------|---------------------------------|---------------|
| Film | Polyester | 100 pcs | 781391 |
| Film strips | Polyester | 400 pcs (50 sheets of 8 strips) | 781383 |



PCR film

This film is suitable for PCR, ELISA, EIA and other optical applications. It is transparent, enabling visual inspection of samples. Two tabs make it easy to handle, and the strong adhesive minimizes evaporation, while ensuring that the film remains securely in place on all plate types.

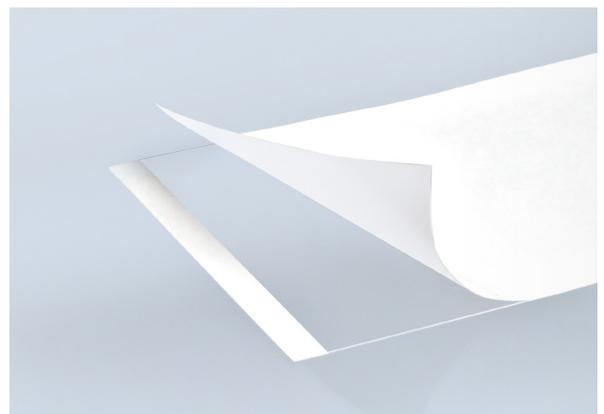
| Description | Material | Pack of | Cat. No. |
|-------------|-----------|---------|---------------|
| Film | Polyester | 100 pcs | 781390 |



Film for PCR and storage

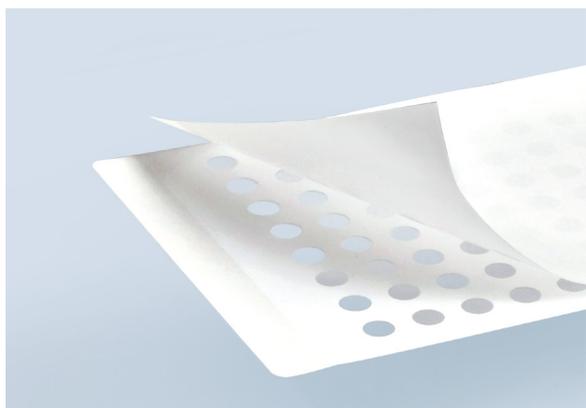
This film is ideal for PCR, ELISA and sample storage. Due to its adhesive, it is usable in temperatures down to -80° C and is DMSO- and solvent-resistant. Transparency ensures optimal conditions for visual inspection. It can be removed without leaving residues and reused.

| Description | Material | Pack of | Cat. No. |
|-------------|---------------|---------|---------------|
| Film | Polypropylene | 100 pcs | 701367 |



Sealing films for automation processes

Due to the increasing number of diagnostic methods, the number of samples processed is growing steadily. This means that high-throughput analyses are gaining significance. In these automated processes, the films must not only protect the samples, but also comply with the mechanical requirements of automation.



Sealing film requirements for automation:

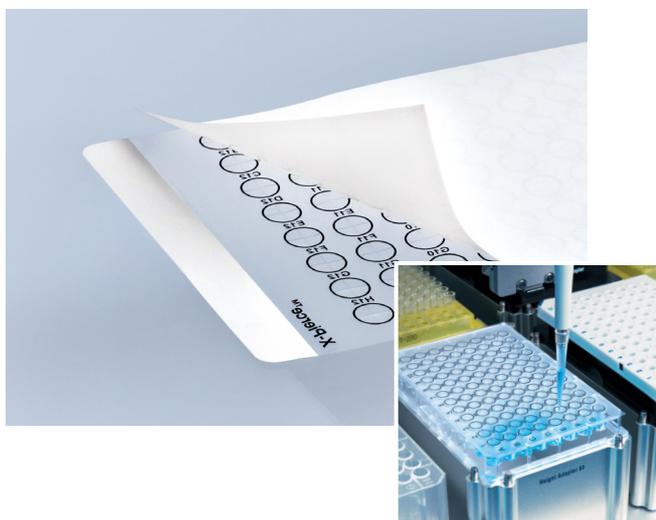
- Pierceability
- Adhesive-free zones for contamination-free tasks
- Tight seal for minimizing evaporation



Film with adhesive-free zones

In high-throughput and automation applications, this film protects your samples against impurities, while the adhesive-free zones protect against contamination with adhesive. Pipettes and automation systems are able to pierce through it easily, and it is highly resistant against chemicals.

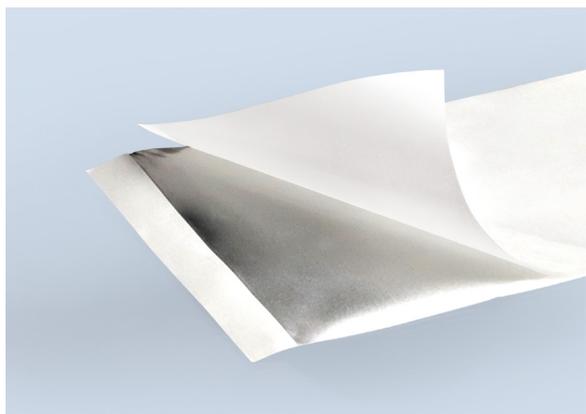
| Description | Material | Pack of | Cat. No. |
|-------------|--------------------------------|---------|----------|
| Film | Polyethylene/ Polypropylene | 50 pcs | 701370 |



Pre-punched film

The well openings on this film are pre-punched for repeated sampling in automation processes. The four flaps can easily be pressed outward by an automation probe or pipette tip and returned to their original position after sampling. This protects the samples against evaporation and contamination. Samples can be safely identified thanks to the alphanumeric coding.

| Description | Material | Pack of | Cat. No. |
|-------------|----------|---------|----------|
| Film | Vinyl | 100 pcs | 701374 |



Aluminum film

This film can be easily pierced by single- and multi-channel pipettes and in automation systems. Thanks to a special adhesive, it is DMSO-resistant and extremely resistant to solvents. The film is impervious to light, in order to protect light-sensitive samples.

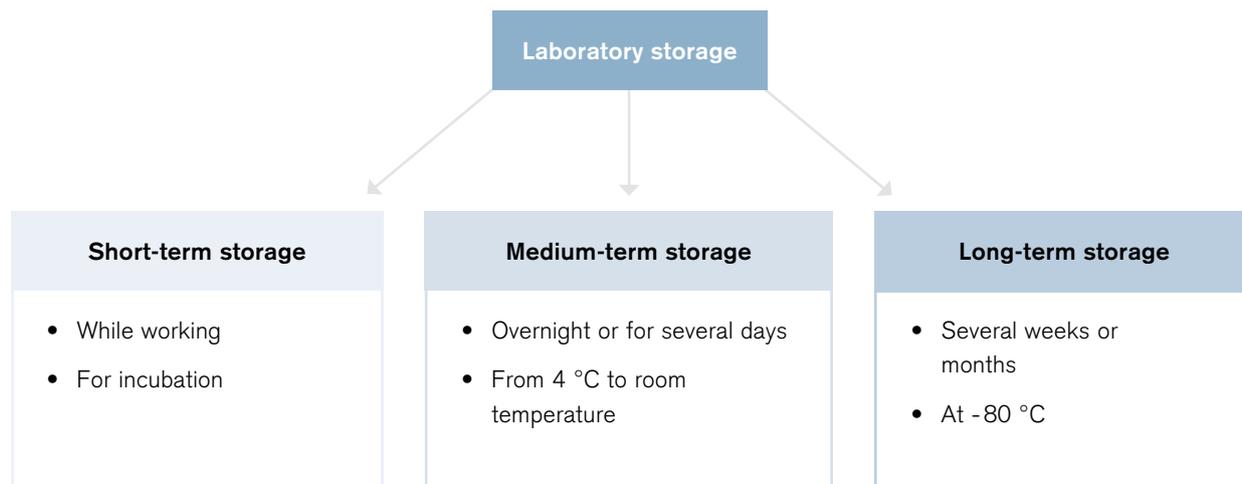
| Description | Material | Pack of | Cat. No. |
|-------------|----------|---------|----------|
| Film | Aluminum | 100 pcs | 781381 |

Sealing films for long-term storage

Evaporation and contamination can make samples unusable, especially when stored for long periods. In order to protect the samples and store them so that they are easily accessible, the right sealing film must be used.

Requirements for films used for storage:

- Temperature stability down to -80 °C
- Tight seal for minimizing evaporation
- Pierceability or residue-free removal for easier sample accessibility



Film for cold storage

Aluminum film is suitable for storing samples at temperatures down to -80 °C. Thanks to its strong adhesive, it is DMSO-resistant and extremely resistant to solvents. The film protects your samples from light and can be easily pierced by pipettes and automation systems.

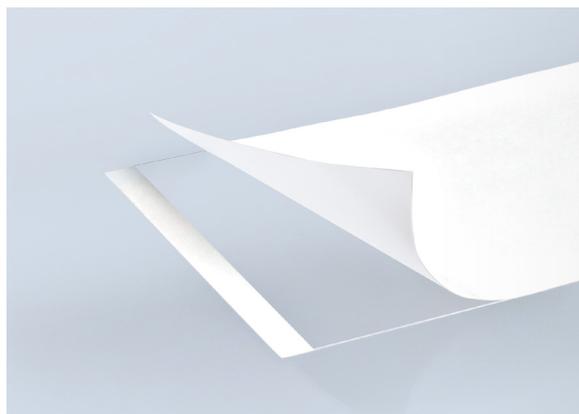
| Description | Material | Pack of | Cat. No. |
|-------------|----------|------------------------------------|---------------|
| Film | Aluminum | 100 pcs | 781381 |
| Film strips | Aluminum | 300 pcs (50 sheets of 6 strips) | 781382 |



Film for PCR and storage

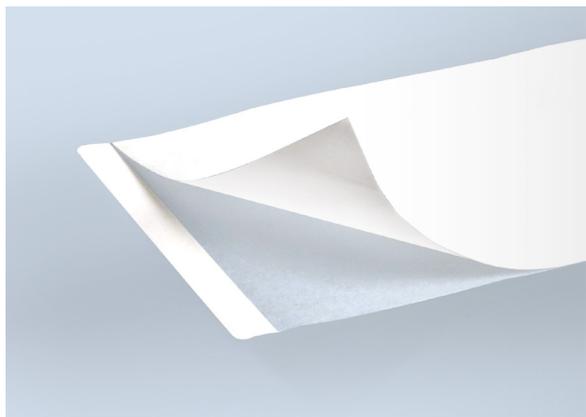
This film is highly transparent, making it ideal for visual inspections. It is temperature stable down to -80 °C, and due to its strong adhesive, it is resistant to DMSO and other solvents. The film can be removed without leaving any residues and subsequently reapplied.

| Description | Material | Pack of | Cat. No. |
|-------------|----------|---------|---------------|
| Film | Vinyl | 100 pcs | 701367 |



Sealing films for cell and tissue cultures

When handling cell and tissue cultures, a secure seal alone is not enough to protect against contamination and transporting. Even gas exchange is just as important. A lack of oxygen or too much carbon dioxide can lead to inaccurate results or even cause the cells to die. Therefore, films for cell and tissue cultures are subject to special requirements.



Requirements of films for cell and tissue cultures:

- Air permeable for optimum oxygen supply
- Secure seal against contamination
- Pierceability for easy sample extraction



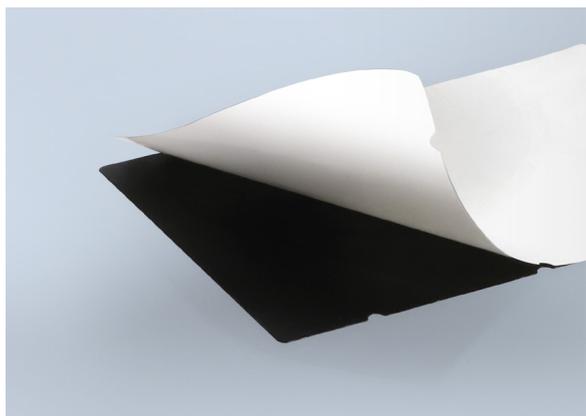
Air-permeable film

This film supports cell and tissue culture applications due to its non-cytotoxic adhesive. It is available in sterile and non-sterile versions and provides optimal contamination protection with high breathability. Uniform porosity ensures even evaporation.

| Description | Material | Pack of | Cat. No. |
|-------------|--------------------|---------|---------------|
| Film | Rayon, non-sterile | 100 pcs | 701364 |
| Film | Rayon, sterile | 50 pcs | 701365 |

Sealing films for fluorescence/luminescence measurement

White and black films provide support for fluorescence and luminescence measurements and for microscopy. Weak signals are amplified and interference of light from outside is minimized.



Requirements of films for fluorescence/luminescence measurement:

- Black, light-absorbing film for optimal fluorescence measurement
- White, light-reflecting film for amplified luminescent signal
- Storable down to -40 °C



Film for fluorescence measurement

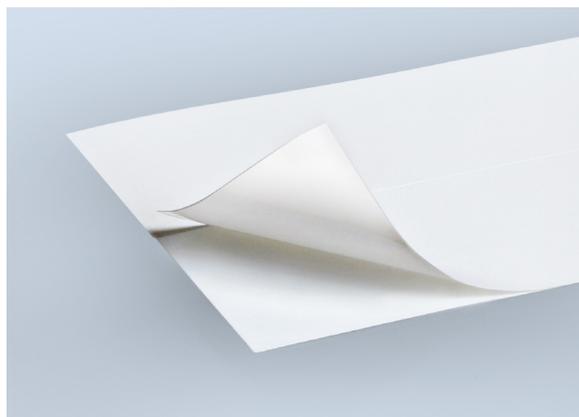
The black, light-absorbing film improves fluorescence measurement results. It can be attached to the top or bottom side of the plate and minimizes the interference of light from outside. Sectioned backing paper assists with application.

| Description | Material | Pack of | Cat. No. |
|-------------|--------------|---------|---------------|
| Film | Vinyl, black | 50 pcs | 701371 |

Film for luminescence measurement

This white film can be attached to the top or bottom side of the plate for optimized light absorption during luminescence measurements. It significantly increases the sensitivity of the measurement. Thanks to the sectioned backing paper, it is easy to apply.

| Description | Material | Pack of | Cat. No. |
|-------------|--------------|---------|----------|
| Film | Vinyl, white | 50 pcs | 701372 |



Accessories

Sealing paddle

The sealing paddle helps to apply self-adhesive films. Thanks to its streamlined sides and rounded shape, it rests comfortably in your hand and ensures optimal force transfer.

| Description | Pack of | Cat. No. |
|----------------|---------|----------|
| Sealing paddle | 1 pc | 701381 |



Further information about all compatible PCR plates as well as other PCR products are available on our website www.brand.de/pcr.

Overview

| Applications | Material | Min. temp. in °C | Max. Temp in °C | Pierceable | DNA, DNase, RNasefree | sterile | Pack of | Cat. No. |
|---|--------------------------------|------------------|-----------------|------------|-----------------------|---------|---------------------------------|----------|
|  qPCR, ELISA, colorimetric applications | Polyester | -40 | 120 | - | - | - | 100 pcs | 781391 |
|   qPCR, PCR and storage (film strips) | Polyester | -40 | 120 | - | ✓ | - | 400 pcs (50 sheets of 8 strips) | 781383 |
|  PCR, ELISA, EIA and other optical applications | Polyester | -40 | 125 | - | ✓ | - | 100 pcs | 781390 |
|   PCR, ELISA, other optical applications and storage | Polypropylene | -80 | 120 | - | - | - | 100 pcs | 701367 |
|   PCR and storage (film strips) | Aluminum | -80 | 120 | ✓ | ✓ | - | 300 pcs (50 sheets of 6 strips) | 781382 |
|   Cold storage, light protection and automation | Aluminum | -80 | 120 | ✓ | - | - | 100 pcs | 781381 |
|  Automation | Polyethylene/ Polypropylene | -40 | 90 | ✓ | - | - | 50 pcs | 701370 |
|  Automation | Vinyl | -40 | 90 | ✓ | - | - | 100 pcs | 701374 |
|  Cell/Tissue culture | Rayon | -20 | 80 | - | - | - | 100 pcs | 701364 |
|  Cell/Tissue culture | Rayon | -20 | 80 | - | - | ✓ | 50 pcs | 701365 |
|   Fluorescence measurement, storage | Vinyl, black | -40 | 80 | - | - | - | 50 pcs | 701371 |
|  Luminescence measurement, microscopy | Vinyl, white | -40 | 80 | - | - | - | 50 pcs | 701372 |

 PCR/qPCR

 Automation

 Storage

 Cell culture

 Fluorescence and luminescence measurement

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