



GELBOND PAG FILM 124X258MM (PKG/50)

Article No: 80112936 Catalogue No: 1850-211

General

Product

Information

ORDERING

GelBond PAGfilm, 124 x 260 mm

Code No. Pack size

80-1129-36 50

- More convenient storage of results.
- No risk of glass breaking.
- Gels can be cut to any desired size.

Product	Quantity	Code number
GelBond PAGfilm, 124 x 258 mm	50/pk	80-1129-36
GelBond PAGfilm, 203 x 260 mm	50/pk	80-1129-37
GelBond film (agarose), 84 x 94 mm	50/pk	80-1129-33
GelBond film (agarose), 124 x 258 mm	50/pk	80-1129-32
NOTE: All GelBond films are 0.2 mm thick		

Application area (Details)

GelBond PAGfilm is designed as a support for polyacrylamide gels. One side of

the film has a specially treated surface which will react with the acrylamide monomer solution during polymerization to form covalent linkages between the gel and the plastic support.

Companion products (Details)

Glass plates:

84 x 94 x 1 mm	80-1106-69
110 x 125 x 3 mm (titration curve)	80-1107-01
125 x 125 x 3 mm	80-1106-98
125 x 250 x 3 mm	80-1107-00
125 x 260 x 3 mm	80-1106-99
125 x 260 x 1 mm	80-1106-29
200 x 260 x 4 mm	80-1106-86

Description (Details)

Description

"GelBond" is a trademark owned by FMC Corp, and nobody else makes it. Cambrex Corp purchased Bio-Whitaker Molecular Applications (BMA), which used to be known as FMC Corp, the original manufacturers of GelBond films.

Expected shelf life (Details)

3 years

Preparation of the film (Details)

Preparation of GelBond PAGfilm

1. Apply a few drops of distilled water onto the surface of an ordinary Glass plate (see "Companion products").
2. Firmly roll a sheet of GelBond PAGfilm, hydrophilic side up, onto the glass plate. (A drop of water will spread on the hydrophilic side and contract on the hydrophobic side). Ensure that there are no air bubbles trapped in between the gel and glass and that excess water is removed. Use a rubber roller or similar to squeeze out excess fluid from round the edges of the GelBond PAGfilm.

Prep. of casting solution (Details)

=====

Preparation of the casting solution

Polyacrylamide gel electrophoresis

Most standard methods for PAGE gels will give good results. The only known limitation is the following:

Non-ionic detergents such as Triton X-100 and Nonidet NP-40 and high concentrations of urea will interfere with the adhesion of the polyacrylamide to the GelBond PAGfilm. Gel solutions containing 0.01% of SDS (sodium dodecyl sulphate) do not affect adhesion.

Polyacrylamide gel IEF

The gel casting solutions recommended in the "Pharmalyte / Ampholine" may be used but with the following modifications:

1. Include TEMED in the gel cast solution, using 25 µl per 30 ml of gel solution. This applies to all Pharmalyte/Ampholine intervals.

2. Increase the concentration of ammonium persulphate by 50% for all Pharmalyte/Ampholine pH intervals except for Pharmalyte 8-10.5 and Ampholine 7.0 - 9.0.

For Pharmalyte 8-10.5 and Ampholine 7.0 - 9.0 increase the concentration by 100%.

The recommended amounts are therefore 300 µl of a 22.8 mg/ml solution ammonium persulphate for all intervals of Pharmalyte / Ampholine (except Pharmalyte 8-10.5 and Ampholine 7.0 - 9.0) per 30 ml of gel solution. For Pharmalyte 8-10.5 and Ampholine 7.0 - 9.0 use 400 µl of ammonium persulphate per 30 ml of gel solution. Always use fresh solution ammonium persulphate.

Preserving the results (Details)

=====

Gels up to 1.5 mm thick and having $T \leq 7\%$ can be dried in 1 hour at 60 C in forced draft oven. First soak the gel in preserving solution (7% acetic acid and 5% glycerol for at least 1 hour to prevent excessive shrinkage and brittleness in the gel. Alternatively the gels may just be left in the open at room temperature until dry), after treatment with preserving solution. Gels dried in this manner have a sticky surface (due to the glycerol) and should be covered with a polyester sheet or a second sheet of GelBond PAGfilm.

Gels with $T > 7\%$ should be taken from the preserving bath and dried under slab gel vacuum drier (e.g.. the Pharmacia GSD-4 Gel Slab Drier). Cover the with a sheet of porous cellophane. Do not use paper on the gel surface.

Running conditions (Details)

=====

No special limitations arise due to the use of GelBond PAGfilm.

Staining and destaining (Details)

=====
GelBond PAGfilm is compatible with all regularly used chemicals for staining and destaining (including silver staining).

Storage and stability (Details)

=====
Store in a clean, dry location at room temperature.
The treated surface of GelBond PAGfilm is sensitive to light and elevated temperatures.
Always store unused sheets in the re-sealable light-proof package. GelBond PAGfilm packages should be kept tightly sealed in a dark location at room temperature. Exposure of the treated surface to light for prolonged periods (days) could result in a failure of adhesion. Once acrylamide gels have been cast on the films exposure to light or elevated temperatures has no affect.

Technical information (Details)

Thickness	All GelBond films are 0.2 mm thick
------------------	------------------------------------
