

ExcelGel® SDS Buffer Strips

INSTRUCTIONS

ExcelGel SDS Buffer strips for horizontal SDS electrophoresis

ExcelGel SDS precast anode and cathode buffer strips are to be used with ExcelGel SDS Gradient 8-18 (Code No. 80-1255-53). For complete information see Instruction Manual: "ExcelGel precast gels and buffer strips for horizontal SDS electrophoresis" provided with each package of ExcelGel SDS Gradient 8-18 gels.

During the run the precast SDS buffer strips supply the gel with buffer ions. The buffer system in the strips forms, together with the gel buffer, a discontinuous buffer system. The buffer system and the polyacrylamide gel jointly ensure good separation and sharp bands.

Method

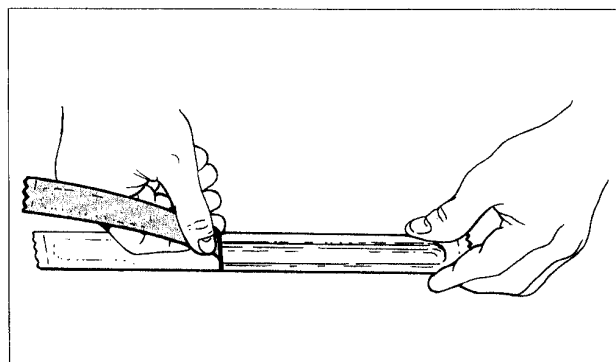
Always wear clean gloves when working with polyacrylamide gels and buffer strips, particularly when using sensitive staining methods. Vinyl gloves are recommended because they have little tendency to stick to the buffer strip, contrary to gloves made of latex.

The anodic buffer strips are marked with the symbols +++ and the cathodic buffer strips are marked with ---. The identification of the anodic buffer strips is facilitated by the addition of the dye Orange G.

If you do not use vinyl gloves, you can prevent the gloves from sticking to the buffer strips by moistening the fingers with distilled water.

- Open the SDS buffer strip by gently pulling away the aluminium foil. Apply the pulling force perpendicular to the strip to minimize the risk that the foil breaks.
- Loosen the strips at one of their ends by carefully putting a spatula under the gel.

- Remove the strips by gripping them with both hands at least 2 cm away from the ends. (Should the strip break, you can still use it by carefully putting the ends together on the gel surface).
- Apply the cathodic and the anodic SDS buffer strip on the respective side of the gel – **narrow side down**.



Pull up carefully 2-3 cm at a time, keeping the peeling edge vertical to the plastic foil.

Technical data

ExcelGel SDS buffer strips	17-1342-01
Contents:	6 anode SDS buffer strips 6 cathode SDS buffer strips
Strip matrix:	polyacrylamide (T=12%, C=3%)
Dimension:	length 245 mm, height 4.5 mm
Buffer systems	
Anode SDS buffer strip:	0.45 mol/L Tris/Acetate, pH 6.6, 4 g/L SDS and 0.05 g/L Orange G
Cathode SDS buffer strip:	0.08 mol/L Tris, 0.80 mol/L Tricine and 6 g/L SDS, pH 7.1
Storage:	+4 to +8 °C
Shelf life:	12 months

80-1300-08

Edition AF