



Immobiline DryStrip Gels

Immobiline DryStrip gels (IPG strips) are used for isoelectric focusing (IEF), run as the first dimension of 2-D electrophoresis or as a separate application.

Overview

Immobiline DryStrip gels (IPG strips) are used for isoelectric focusing (IEF), run as the first dimension of 2-D electrophoresis or as a separate application.

- Maximize resolution, loading capacity, and reproducibility of first-dimension isoelectric focusing (IEF).
- Choose from a comprehensive range of overlapping Immobiline DryStrip gels that cover narrow (1 pH unit), medium (3–5 pH units), and broad (8 pH units) pH ranges.
- Select the broad pH 3–11 NL gradient Immobiline DryStrip gel for fast and efficient screening to gain a broad overview of total protein distribution.
- For more detailed studies or when using greater protein loads, choose from four new overlapping strips covering the pH 3 to 11 range.
- Higher resolution can be obtained using narrow-range (1 pH unit) Immobiline DryStrip gels.
- Use matching IPG buffers for optimized running conditions.
- Use IPG strips directly after reswelling without further manipulation.
- Barcoded strips for convenient sample and batch tracking.

Immobiline DryStrip gels are available in fourteen overlapping pH ranges and five strip lengths (7, 11, 13, 18, and 24 cm) and represent the most comprehensive selection of narrow-, medium-, and wide-range IPG strips available. The five narrow pH range (1 pH unit), 24-cm IPG strips deliver the highest resolution and protein loading capacity available, which results in well separated spots with high protein content after the second-dimension separation.

The pH 3–11 NL strip covers most proteins found in prokaryotic and eukaryotic cells while the narrow-range strips can be used when higher resolution is required. The pH gradients at the extreme ends of the pH scale are nonlinear to distribute the proteins evenly over the gel length to obtain maximal resolution.

Immobiline DryStrip gels are rehydrated with a matching IPG Buffer prior to use. Samples can be included directly in the rehydration solution for efficient loading of dilute samples or for loading larger amounts of protein. Samples can also be loaded after rehydration. The first-dimension separation is carried out using Ettan IPGphor 3 IEF system or Multiphor II flatbed system.

Product specifications

Immobiline DryStrip pH 3-10, 13 cm

Catalog code

17600114

Application	Industrial applications: analytical chemistry, research
Color	Colorless
Estimated shelf life from manufacture date	18 months
Guidance	Strip length: 13 cm Instruction supplied with the gel
Physical State	Solid
Solubility	Insoluble in cold and hot water
Storage conditions	-20°C
Wetted Part	No
DIGE approved	Y

DOMINIQUE DUTSCHER SAS