

DeStreak Rehydration Solution

Overview

- Improves reproducibility and quality of 2-D gels by preventing streaking.
- Eliminates extra spots caused by nonspecific oxidation of proteins.
- Stabilizes proteins throughout entire 2-D runs, ensuring simplified, well-resolved protein patterns.
- Highly suitable for both analytical and preparative gels.

The appearance of streaks that distort 2-D electrophoresis maps is a common problem, occurring most frequently when running gels that contain regions greater than pH 7.0. Increased sample load, increased length of the IPG strip, or using a narrower pH gradient worsen the problem. Extra spots on 2-D gels, caused by nonspecific oxidation of proteins, is another difficulty encountered when running gels containing basic regions. Both streaking and nonspecific oxidation result in poorly resolved protein patterns and reduced reproducibility between electrophoresis runs.

DeStreak Rehydration Solution effectively eliminates nonspecific oxidation by maintaining protein thiol groups in a single oxidation state, irrespective of sample load, pH range, or run length. Protein patterns are stabilized in IPG strips of any length and pH gradient ensuring the same stable and reproducible pattern in every analysis. The effectiveness of DeStreak Rehydration Solution is maintained at the high sample loads and long run times required for preparative gel electrophoresis.

DeStreak Rehydration Solution contains optimized concentrations of urea, thiourea, CHAPS, and DeStreak Reagent. The solution is ready for use after addition of the appropriate IPG buffer. DeStreak Reagent is also available separately in a 1-ml pack size.

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Product specifications
DeStreak rehydration solution, 3 mL (5/Pk)

Catalog code	17600319
Color	Blue
Estimated shelf life from manufacture date	1 year
Guidance	Instructions supplied with the DeStreak Rehydration Solution
Material	-
Physical State	Liquid
Storage conditions	Rehydration Solution -20°C
Wetted Part	No

DIGE approved	Y

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