

DeStreak Reagent

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 Reagent 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 Reagent is maintained at the high sample loads and long run times required for preparative gel electrophoresis.

Product specifications
DeStreak reagent, 1 mL

Catalog code	17600318
CAS Number	1892-29-1
Color	Colorless
Estimated shelf life from manufacture date	12 months
Guidance	Instructions and specification supplied with DeStreak Reagent
Physical State	Liquid
Storage conditions	2 - 8°C
Wetted Part	No
DIGE approved	Y

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