

Silver Subtract™, Silver Stain Destain

<u>Code</u>	<u>Description</u>	<u>Size</u>
M322-Kit	Silver Subtract™ Silver Stain Destain <i>Includes:</i> Silver Subtract Solution A, 25X, 25 ml Silver Subtract Solution B, 25X, 25ml <i>A 1X dilution is sufficient to destain 12 mini-gels, 10 cm x 10 cm x 0.75 mm.</i>	1 Kit

General Information:

AMRESKO® Silver Subtract™ Silver Stain De-Stain Kit is a fast, simple and efficient method for de-staining silver stained SDS polyacrylamide gels. It is effective with any commercial silver stain kit such as Amresco's Silver BULLit™ Silver Stain Kit as well as most homemade laboratory protocols. A 0.75 mm mini-gel can be completely destained within 5 minutes. Slower, more controlled destaining can be achieved by increasing the dilution of the destaining reagent.

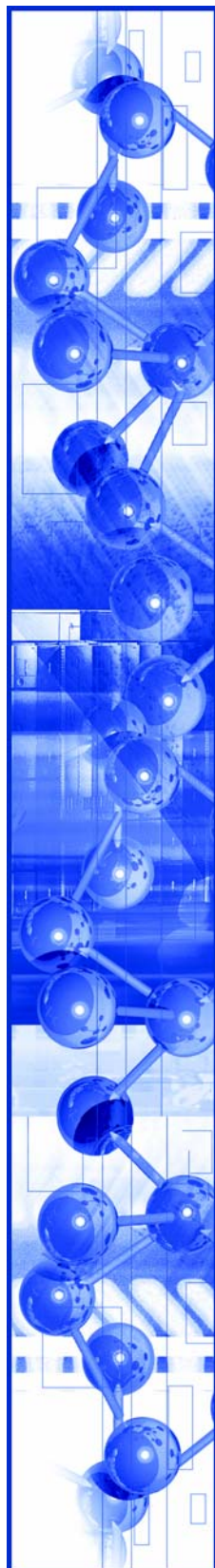
Silver Subtract™ may be used to remove high background, reduce the staining of overloaded gels, or destain gels with artifacts and uneven backgrounds. It is an excellent method for the removal of silver ions before re-staining with silver stain or visualization with chromogenic stains such as Coomassie® Blue as well as fluorescent or chemiluminescent stains. Partial destaining can be used to expand the range of protein quantitation by densitometry.

Storage/Stability:

Store Silver Subtract™ solutions at room temperature. Undiluted Solution A and Solution B are stable for 1 year.

Application Disclaimer

*For Research Use Only.
Not for Therapeutic or Diagnostic Use.*




Procedure:
 **Note:**

- Silver stained gels stored in 1% acetic acid should be thoroughly rinsed in deionized/distilled water before destaining.
- The final destain solution should be made immediately prior to use. Once combined the solutions must be diluted and used immediately.
- Prepare sufficient destain solution to completely cover the gel.

1. Prepare destaining solution.
Combine equal amounts of Solution A and Solution B and immediately dilute in deionized/distilled water. To prepare 50 ml of 1X solution:

<u>Solution</u>	<u>Volume</u>
Silver Subtract™ Destain Solution A (25X)	2.0 ml
Silver Subtract™ Destain Solution B (25X)	2.0 ml
Distilled/Deionized Water	46.0 ml

2. Completely submerge the gel into the 1X solution and gently agitate.
3. The silver stained bands will start to disappear within minutes and should completely destain within 5 minutes.
4. Stop the reaction when the desired level of staining is reached by washing the gel in copious amounts of water.

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- Note:**
- Slower, more controlled destaining can be achieved by increasing the dilution of both destaining reagents to obtain 0.1X or 0.05X working solutions, respectively.

0.1X Solution

<u>Solution</u>	<u>Volume</u>
Silver Subtract™ Destain Solution A (25X)	0.2 ml
Silver Subtract™ Destain Solution B (25X)	0.2 ml
Distilled/Deionized Water	49.6 ml

0.05X Solution

<u>Solution</u>	<u>Volume</u>
Silver Subtract™ Destain Solution A (25X)	0.1 ml
Silver Subtract™ Destain Solution B (25X)	0.1 ml
Distilled/Deionized Water	49.8 ml

Related Products

<u>Code</u>	<u>Product</u>
M277-1L-Kit	Silver BULLIT™ Silver Stain Kit
M256-100ML	NEXT GEL™ 10%: Premixed Acrylamide Solution and Running Buffer for SDS-PAGE
M260-5.0ML	NEXT GEL™ Sample Loading Buffer, 4X
See our catalog for a complete list of NEXT GEL™ products	
0254-500ML	Acryl/Bis™ 37.5:1, 40% Solution (W/V)
0783-4L	Tris-Glycine-SDS Buffer, Liquid Concentrate, 10X
J383-200UL	Precise™ Protein Molecular Weight Marker, 7 bands, 15.0-150.0 kDa
K217-1L	Blue BANDit™ Protein Stain



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