



## UnDo™ X-Ray Film Background Reducer

<u>Code</u>	<u>Description</u>	<u>Size</u>
N656-KIT	UnDo™ X-Ray Film Background Reducer  <i>Includes:</i> 1L UnDo™ X-Ray Film Background Reducer Solution A 1L UnDo™ X-Ray Film Background Reducer Solution B	KIT

### General Information:

AMRESKO's UnDo™ X-Ray Film Background Reducer Kit easily and proportionally reduces the signal on overexposed film. The kit includes two solutions that are used sequentially to oxidize and remove silver deposits on the film from areas of low to high density. The original data is preserved resulting in an optimized image that reduces ambiguous data interpretation.

The kit components work sequentially by first oxidizing the silver grains on the film in Solution A. Solution B stops the oxidation reaction and dissolves the oxidized silver grains. The film can be treated with multiple cycles of UnDo™ to achieve the desired results.

### Storage/Stability:

Store at room temperature.

### Application Disclaimer

*For research use only.  
Not for therapeutic or diagnostic use.*



## Procedure

➤ Note: Background reduction may appear to increase in Solution B due to the removal of the oxidized silver grains formed in Solution A. Reducing the incubation time in Solution A is recommended to prevent underexposing the film. The reduction procedure may be repeated as many times as necessary to achieve the desired results.

1. **In a non-metal tray**, add sufficient Solution A to submerge the film and allow it to move freely with agitation.
2. Leave the film in Solution A for 1-4 minutes at room temperature with gentle agitation. The time in Solution A will vary depending on the level of reduction required. The reduction can be visualized and stopped at your preference point.

➤ Note: The reduction can be repeated after Step 4 as necessary to achieve the desired result.

3. Stop the reduction by removing Solution A and adding Solution B so that the film can move around freely with gentle agitation. Incubate for 5 minutes at room temperature.

4. Remove Solution B and wash thoroughly with deionized water.

5. Steps 1-4 can be repeated if desired.

➤ Note: The reduction will occur more quickly with each successive treatment.

## Frequently Asked Questions

### Questions

### Answers

Why did my film acquire a yellow tint after treatment?	<ol style="list-style-type: none"> <li>1. Inadequate washing. Wash film thoroughly in excess deionized water with agitation.</li> <li>2. Film was excessively dark. Use greater volume of UnDo™ to avoid depletion of Solutions A and B.</li> </ol>
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How do I know when to stop treatment of the film?	Follow recommended treatment times in the directions. Watch the film carefully to determine stopping point. Capture an
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image of the film after each round of treatment. Repeat when necessary.

Why did the background removal appear uneven on the film?

1. Film was submerged in insufficient volume of UnDo™. Increase the volume of Solutions A and B used to ensure film moves freely and does not stick to containers.
2. Multiple films were processed simultaneously. Work with one film at a time. Use fresh solutions for each film.

Can I use UnDo™ as a sub-proportional reducer?

3. UnDo™ can increase contrast by removal of background at a faster rate from lighter areas of the film. Mix equal volumes of Solutions A and B. Treat film 1-2 minutes with agitation in mixture. Wash thoroughly in deionized water. Mixed A and B solutions are stable only a few minutes. Use immediately. *Caution: Background removal with this method is very fast.*

## Related Products

### Code

N218-Kit  
N218-S-Kit  
N218-sample-kit  
N219-Kit

### Product

VisioGlo™ HRP Chemiluminescent Substrate

VisiGlo™ Plus Chemiluminescent Substrate

N222-1Kit

Western Max™ Chemiluminescent HRP Kit, Anti-Mouse

N223-Kit

Western Max™ Chemiluminescent HRP Kit, Anti-Rabbit

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