
Certificate of Analysis

Double-It Reagent

Catalog # 20-213

Product Description: Use 0.75-1ml of Double-It Reagent to clear film background by applying the reagent to the upper side of the X-ray film after developing.

Formulation: 20ml of Double-It Reagent. May be diluted up to 1:5.

Note: Harmful liquid reagent. Irritant. Read MSDS before use.

Storage and Stability: Store at room temperature. Stable for one year from time of purchase.

Upstate is not responsible for loss of specific bands if Double-It Reagent is used on the wrong surface of the film. Use Double-It Reagent only on the top surface of your X-ray film.

**FOR RESEARCH USE ONLY
NOT FOR USE IN HUMANS**

Warning: Double-It Reagent is a proprietary formulation containing bleach. Some individuals may be sensitive to bleach and bleach fumes. Use of Double-It Reagent in a fume hood with protective clothing, including gloves, is recommended.

Use of Double-It Reagent

Upstate is not responsible for loss of specific bands if Double-It Reagent is used on the wrong surface of the film. Use Double-It Reagent only on the top surface of your X-ray film.

Double-It should be applied to the "upper" part of the film only, not the lower side that came in contact with the Film Exposure Folder (Catalog # 20-211). For customers not using Autorad Orientation Markers (Catalog # 20-135) it is recommended that in the darkroom, before development, a mark is made with a Sharpie® or comparable permanent marker on the upper surface of the film.

It is strongly recommended that Double-It Reagent be tested in a small and unimportant area of the film to ensure that the correct side is being used. Simply apply a small amount of the Reagent to an area on the blot that exhibits background but is not important in interpretation of the result.

Procedure

1. Develop and dry the X-Ray film before using Double-It Reagent.
2. After development, determine which side of the film is upper and lower by lining up your film with the Autorad Orientation Markers (Catalog # 20-135).
3. Place the film, upper side up, on a piece of white paper (or a light box) in a fume hood. Double-It Reagent is a proprietary formulation containing bleach. Some individuals may be sensitive to bleach and bleach fumes, so use of Double-It Reagent in a fume hood with protective clothing, including gloves, is recommended.
4. Undiluted Reagent may be spotted onto the film with a pipet and spread with a cotton swab; all areas of the film contacted by reagent will be cleared of background. Double-It Reagent may also be diluted as appropriate to obtain the desired result. Dilution with water will weaken the reagent; a 1:5 dilution will only be strong enough to clear background from the area it first comes into contact with.
5. After desired area is cleared, wipe the Double-It Reagent off the film with a Kimwipe® or paper towel. To rinse, wipe with a water moistened Kimwipe® or paper towel. When fully dry, mark your film.