

CATALOG NUMBER 03-0150 TO MAKE 100 ML  
CATALOG NUMBER 03-0160 TO MAKE 200 ML  
CATALOG NUMBER 03-0161 TO MAKE 1000 ML

# PHOTOGRAPHERS' FORMULARY

## FORMULARY RESIDUAL HYPO TEST

The residual Hypo Test is a simple chemical test that can be used to determine if a print or filmstrip has been adequately washed. The test is based upon the formation of a yellow stain of silver sulfide-silver thiosulfate on the white of a test print, or the clear area of a negative filmstrip when the test solution is applied.

The reliability of the test depends upon the washing procedure. (See using the test).

The chemicals in this kit are mixed and ready to use with NO further dilution. Shake well prior to each use.

### FOR YOUR CHEMICAL SAFETY

All chemicals are dangerous and must be treated with respect.

The liquid in this bottle is a possible irritant if it comes in contact with skin. If contact occurs wash with soap and water and then rinse with large amounts of water. If product is spilled, rinse the area with large amounts of water, then wash down the area with soapy water and rinse again.

The user assumes all risks upon accepting these chemicals. IF FOR ANY REASON YOU DO NOT WISH TO ASSUME ALL RISKS, PLEASE RETURN THE CHEMICALS FOR A FULL REFUND.

Contact local sewer and water authorities regarding proper disposal of darkroom chemicals in your area.

### LIFE OF THE SOLUTION

The test solution should have a life in excess of nine months provided that it is stored in a dark bottle and away from light.

### USING THE TEST SOLUTION

The test will give accurate results if the print or film has been treated with Hypo Clearing agent and washed in water or just washed in water. The test WILL NOT give accurate results if Hypo Eliminator has been used in the washing procedure. Hypo Eliminator contains ammonia which complexes with the silver ions in the Residual Hypo Test Solution decreasing their effective concentration.

### PAPER

This test is reliable when used on either fiber or RC papers. Wipe the washed print so that its surface is dry.

Place a drop of the undiluted test solution on a white portion of the print and allow it to stand for exactly 2 minutes then remove the excess by blotting the print with a facial tissue. (The silver nitrate in any test solution if left on the print will darken upon exposure to light.) Any stain on the white of the print beyond that of just visible tint means residual hypo is present.

| STAIN                  | WASH RESULTS |
|------------------------|--------------|
| No detectable stain    | Excellent    |
| Faint tan              | Good         |
| Definite tan           | Fair         |
| Definite tan to yellow | Poor         |

### FILM

This test can be used with either dry or wet negatives. Cut a small, clear portion of the emulsion off the negative and soak it in undiluted Residual Hypo Test Solution for 3 minutes. Any discoloration indicates the presence of residual hypo.

Using a spot test on wet film is not recommended. The test solution will spread and darken the emulsion after exposure to lights.



PHOTOGRAPHERS'  
FORMULARY INC.

PO Box 950 • Condon MT 59826 • 406-754-2891 • FAX 406-754-2896  
Web: [www.photoformulary.com](http://www.photoformulary.com) E-MAIL [formulary@blackfoot.net](mailto:formulary@blackfoot.net)