214

Ansco

LABORATORY TESTED CHEMICALS

COLOR DEVELOPING OUTFIT

FOR ANSCOCHROME® FILM

16 OZ. SIZE

473CC

C 1989

HANG THIS UP IN YOUR DARKROOM AS A HANDY REFERENCE

IN TOTAL DARKNESS

1. **FIRST DEVELOPER.** **16½** minutes at 68F (20C).
2. **FIRST DEVELOPER SHORTSTOP.** **2** minutes at 68F. Agitate continuously for first minute.
3. **HARDENER.** **4** minutes at 68F. Agitate continuously for first minute. (This solution is used again in Step No. 8)

ROOM LIGHTS MAY BE TURNED ON AND LEFT ON FOR REMAINDER OF PROCESSING

4. **WASH.** **5** minutes in running water at 60-70F (16-21C).
5. **SECOND EXPOSURE.** Expose film to light from a No. 2 floodlamp at a distance of 3 feet for 2 minutes, 1 minute on each side. (See "Tank Development of Roll and 35 mm Films" on reverse side for exposing film on clear plastic developing reels.)
6. **COLOR DEVELOPER.** **14** minutes at 68F.
7. **COLOR DEVELOPER SHORTSTOP.** **2** minutes at 68F, agitating continuously for first minute.
8. **HARDENER.** **4** minutes at 68F. Agitate continuously for first minute. (Use same solution as after First Developer Shortstop)
9. **WASH.** **5** minutes in running water at 60-70F.
10. **BLEACH.** **5** minutes at 68F.
11. **WASH.** **5** minutes in running water at 60-70F.
12. **FIXER.** **4** minutes at 68F.
13. **WASH.** **5** minutes in running water at 60-70F.
14. **STABILIZING RINSE.** **5** minutes at 68F.
15. **WASH.** **5** minutes in running water at 60-70F.
16. **FINAL RINSE.** **30** seconds.
17. **DRYING.** Hang to dry in a cool, dust-free place.

PROCESSING CAPACITY

This 16 ounce outfit will process 1½ square feet of film or

5—20 exp. 35mm or 127 rolls
4—36 exp. 35mm
9—828 rolls
3—120-620 rolls
12—4x5 sheets
7—5x7 sheets
3—8x10 sheets

Use this table to record films processed:

Date Mixed

Record of Films Processed

KEEPING QUALITIES OF THE SOLUTIONS

Under optimum conditions, all solutions can be stored for two weeks in well-stoppered, completely filled bottles. In areas where wash water is excessively soft or warm, the Hardener should be replaced weekly. The user can make up his own Hardener, using ½ ounce Potassium Chrome Alum per pint of water. The bleach solution is corrosive and should be stored in glass or polyethylene containers.

PARTIALLY PROCESSING ANSCOCHROME

If it is necessary to store exposed Anscochrome films for a considerable period of time or under unfavorable conditions of heat and humidity before they can be completely processed or returned to the color finisher for processing, users should partially process the film. Follow the instructions for First Development and Shortstop, and eliminating the Hardener, wash in cool running water (below 70F) for 10 minutes. The film can then be dried in the normal way. Resume processing with "Second Exposure"—Step 5.

If the films are returned to Ansco laboratories for completion of the processing, the package must be clearly marked "Films partially processed—development should start with color developing". Films not so marked will be given complete processing and irretrievably spoiled.

Ansco

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INSTRUCTIONS FOR PROCESSING ANSCOCHROME® FILMS

This outfit contains all the chemicals necessary to prepare 16 ounces each of the solutions for processing Anscochrome and Super Anscochrome Film. In order that you can be sure to prepare the solutions correctly, using the chemicals in the right order, the packets are numbered 1 through 8. Arrange the chemicals in order so that those solutions with multiple ingredients will be dissolved in the order prescribed. First Developer has 3 parts —1A, 1B and 1C (1C is a liquid—open carefully) and Color Developer has two parts—4A and 4B.

PREPARING WORKING SOLUTIONS

Have available for storage purposes nine clean 1-pint bottles with stoppers. Label each bottle or tape the empty packet to each bottle as you prepare the solution.

FIRST DEVELOPER* Completely dissolve the contents of packet #1A in 12 ounces (354cc) of water 65-90F (18-32C). Add contents of packet #1B and when thoroughly dissolved, add the liquid in packet #1C. Add water to make 16 ounces (473cc) of solution.

SHORTSTOP This packet contains chemicals for the preparation of *two* 16 ounce Shortstop solutions. Completely dissolve the contents of packet #2 in 12 ounces (354cc) of water 65-90F (18-32C). Then remove 4 ounces (118cc) of the solution, pour into one pint bottle and add water to make 16 ounces of solution.
LABEL: FIRST DEVELOPER SHORTSTOP.
Pour remaining 8 ounces (236cc) of solution into a second 16 ounce bottle and add water to make 16 ounces of solution.
LABEL: COLOR DEVELOPER SHORTSTOP.
CAUTION: Do not interchange solutions.

HARDENER Completely dissolve the contents of packet #3 in 12 ounces (354cc) of water 65-90F (18-32C). Add water to make 16 ounces of solution.

COLOR DEVELOPER* Completely dissolve the contents of packet #4A in about 14 ounces (415cc) of water 75-90F (24-32C). Add the contents of packet #4B. Stir until completely dissolved and add water to make 16 ounces (473cc) of solution.

BLEACH Completely dissolve the contents of packet #5 in about 12 ounces (354cc) of water 65-90F (18-32C). Add water to make 16 ounces (473cc) of solution. NOTE: This solution is corrosive and should not be stored in metallic containers. Keep in a glass bottle when not in use.

FIXER Stirring constantly, slowly pour contents of packet #6 into about 12 ounces (354cc) of cold water not over 80F (27C). Then add water to make 16 ounces (473cc) of solution.

STABILIZING RINSE Completely dissolve the contents of packet #7 in about 12 ounces (354 cc) of water 65-90F (18-32C). Add water to make 16 ounces of solution.

FINAL RINSE Add the contents of packet #8 (this is a liquid) to about 1 ounces (354cc) of water 65-90F (18-32C). Stir thoroughly and add water to make 16 ounces of solution.

For best results all processing solutions should be used at 68F (20C). Th

especially if the user has sensitive skin.

TANK DEVELOPMENT OF ROLL AND 35MM FILMS

Daylight tanks can be used in the ordinary manner, that is pouring the various solutions in and out of the tank as required. Exact timing and temperature of the first and color development are important. Consider that development begins at the instant the tank is filled with the developing solution and continues until the developer is emptied and the tank is filled with shortstop. This emptying time can be determined before starting processing by pouring out an amount of water equal to the amount of processing solution to be used. Agitate thoroughly when first placed in solution and then agitate for 15 seconds during each minute of the remaining time. See special agitation instructions for Shortstop and Hardener. The self-threading reel with the Ansco Developing Tank was designed so that one flange is transparent, permitting the second exposure to be made through the clear flange, exposing for 4 minutes—twice the normal time—shifting the reel around constantly during the exposure to be sure all areas of the film receive sufficient light.

With solid end dark plastic type reels, the film must be removed from the reel for the second exposure. It can be reloaded onto the reel by submerging both the reel and the film into cold water, using the same technique as though film were dry. This procedure overcomes the difficulty of loading wet film onto plastic type reels. After the second exposure, the top of the tank need not be replaced since the remaining operations can be carried out in ordinary room light.

Be sure to check the capacity of the particular tank you are using before you start processing. Some tanks require more than one pint of solution.

SHEET FILM If sheet film is processed in a tray, films should be agitated once every 30 seconds. See special agitation instructions for Shortstop and Hardener. However, if tray development is used, extreme caution must be taken to prevent scratching the film and to prevent undue oxidation. Re-use of solutions is not considered desirable after they have been used for tray developing.