

# Film Processing and Development

## Preparation:

1. Write down the type of film you used.
2. Load film onto reel in complete darkness, and place both reels in the film developing tank. If you are developing only one roll, put it at the bottom of the tank with the empty reel at the top. Close lid on tank. Make sure lid is on tight. Keep lid on until Fixer step is finished. Turn on the light.
3. Get chemistry ready. Mix developer and water (from room temperature bucket) at a 1:1 ratio in the developer beaker. Measure out and pour stop bath and fix into the appropriate beakers. Put the thermometer in the developer beaker. Using the film development chart, find your film type and time. If your developer solution is not 68 degrees check the time/temperature conversion chart for the proper time adjustment.

## Film Development

**Step 1: *Pre-Wash:*** Fill tank with water and agitate for 1 minute. Pour water down the drain.

**Step 2: *Developer:*** Set the appropriate amount of time on the Timer. Pour developer solution into tank, cover it, and begin developing film. Follow the directions for film agitation. Agitate Kodak films for the first 30 seconds, and then for 5 seconds every 30 seconds. Agitate Ilford films for first 10 seconds, then for 10 seconds every minute. When done with this step, pour developer down the drain.

**Step 3: *Stop Bath:*** Immediately pour stop bath into the tank. Agitate for 30 seconds. Return stop bath to its bottle.

**Step 4: *Quick Rinse:*** Fill tank with water and then empty.

**Step 5: *Fix:*** Set Timer for 7 minutes. Agitate for first 30 seconds, then at least once every 30 seconds. You can agitate for the full 7 minutes. Return fix to its bottle. Now you can take off the lid of the tank, because film is light safe. Grab the end of the film off the reel and check its color. If the film is very pink, the return the film to the tank and repeat fix for 1 more minute. Check again, and if the film is relatively clear, place film and reel in the Film Wash.

**Step 6: *Film Wash:*** Wash film for a minimum of 5 minutes in water 65 to 75 degrees.

**Step 7: *Photo Flow:*** Place film on reel in PhotoFlo tray. Leave it there for 30 seconds.

**Step 8: *Film Dryer:*** Take film on reel over to the film dryer. DON'T OPEN THE DOOR WHILE IT IS ON. Turn it off first. IF YOU TURN OFF THE DRYER, WAIT 30 SECONDS BEFORE OPENING THE DOORS. Then open the dryer door, and hang the film. Roll the reel down slowly as you let the film hang. Then use the dampened squeegee on your film. Place a clothespin or weight clip at the bottom of the film strip. Move your film to the back away from other films. Close the dryer, and turn it back on. Wait 10 minutes or more before checking to see if the film is dry. When dry, cut film strip to fit your negative storage system and put the film in the protective sheet.