

PHOTOGRAPHERS' FORMULARY

FORMULARY TD-30 IMPROVED DEKTOL FORMULA

TO MAKE ONE, FOUR OR EIGHT LITERS OF CONCENTRATE

GENERAL DESCRIPTION

TD-30 is a neutral-tone print developer similar in properties to Dektol. It produces slightly more brilliant, cleaner prints than Dektol, but the differences are small. Use the same dilution and time you would use with Dektol. This is normally one part stock to two parts water, with a developing time of two minutes. For greater contrast, TD-30 can be diluted 1+1 or even used full strength. For less contrast, the developer can be diluted 1+3 or 1+4.

CHEMICAL SAFETY

All chemicals are dangerous and must be treated with respect. Please read the chemical warnings on each package. Some individuals become sensitized (develop allergic symptoms or rashes) when using metol. If this should occur, discontinue use and consult a physician.

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

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 WITHIN 30 DAYS FOR A FULL REFUND.

MIXING THE STOCK SOLUTION

We recommend distilled water for mixing all stock solutions. We also recommend you wear a dust mask, splash goggles, rubber gloves and a rubber apron anytime you are mixing dry chemicals.

You will need two mixing containers with capacity appropriate for kit size used.

Solution 1

Kit Size	1 liter	4 liter	8 liter
Distilled Water (120° F)	500 ml	2000 ml	4000 ml

Add only a pinch of Packet B to the water. Then add Packet A and stir continually. After the contents of Packet A have dissolved completely, slowly add Packet B. Continue stirring until the chemicals have dissolved completely.

Solution 2

Kit Size	1 liter	4 liter	8 liter
Distilled Water (120° F)	450 ml	1800 ml	3600 ml

Slowly add Packet C to the water while stirring. Continue to stir until the powder has gone entirely into solution.

Pour the two solutions together adding enough cold water to bring the total volume up to 1000 ml, 4000 ml, or 8000 ml depending on the kit size. Place in a storage container.

STOP BATH

We recommend the Formulary TS-4 odorless stop bath, or a plain water stop. We do not feel an acid stop bath is necessary. However, if you want to use a stop bath the standard 2% acetic acid may be used.

STORAGE

After mixing, the stock solution will last up to six months if kept in a bottle filled to the top with a good tight cap. However, for best results, all photographic solutions should be used as soon after mixing as possible. After dilution to working solution, the developer should be discarded at the end of the work session.

CAPACITY

Capacity of the developer is about 25 8x10's per liter of working solution. Ansel Adams conservatively recommended that one ounce of stock solution had the capacity to develop only 2 8x10's, no matter what the dilution was. This means a quart of TD-30 stock should be used to develop 64 8x10's. Therefore, a quart of working solution at 1+2 should be used to develop only 20 8x10's.