



ARS-IMAGO 41 COLOR NEGATIVE DEVELOPER

If your KIT is finished, because you have already developed about 12 films as indicated in the product sheet, you can now continue developing! It is sufficient to purchase the developer bottle alone to double the capacity of the original KIT.

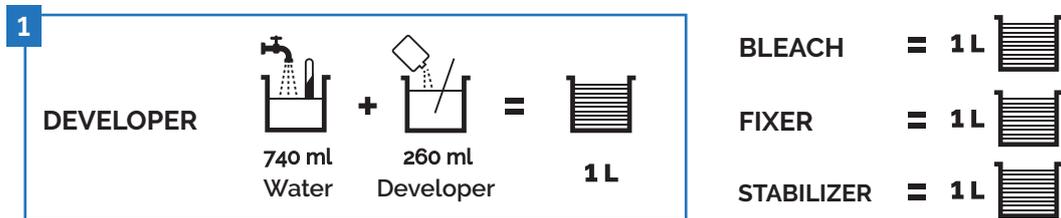
Therefore, by replacing the used developer with a new one, it will be possible to develop about 12 more films, bringing to exhaustion of the other chemicals in the Kit.

Features:

- Develops up to twice as many films
- Cheaper
- No waste

In order to guarantee uniformity of development and homogeneous results, please follow carefully the **instructions given in the technical data sheet of the kit.**

PREPARATION



PROCESSING

| PROCESS STEP | TEMPERATURE | TIME (1-4 films) | AGITATION |
|------------------|------------------------------|-------------------|---|
| PRE-HEAT (WATER) | 38.0 °C / 100.4 °F | 3 '00" | Continuous agitation for the first 30", then for 10" every minute |
| DEVELOPER | 38.0 °C / 100.4 °F | 3'15" | Continuous agitation * |
| BLEACH | 30 - 38.0 °C / 86 - 100.4 °F | 45" - 60" | Continuous agitation * |
| FIXER | 30 - 38.0 °C / 86 - 100.4 °F | 2'00" - 2'30" | Continuous agitation * |
| RINSE | 30 - 38.0 °C / 86 - 100.4 °F | 8'00" - 12'00" | Continuous rinsing and agitating or washing under running water |
| STABILIZER** | 30 - 38.0 °C / 86 - 100.4 °F | 1'00" | Continuous agitation |

* Although we recommend continuous agitation to obtain results optimal, it is possible to replace with: continuous agitation for the first 20", then 5" every 20".

** It is recommended to use the Stabilizer only as final treatment and not as washing;

INCREASE THE DEVELOPMENT TIME BY 15" EVERY 4 FILMS:

5-8 films: 3'30 " / 9-12 films: 3'45"

Temperature control

The C-41 process requires accurate temperature control especially during the development phase. After careful testing, we implemented a process to obtain excellent and balanced results with no need for thermostatic baths or tools for heating-maintaining the temperature of liquids.

Alternative process without temperature control or maintenance systems

Today's plastic development tanks have an excellent ability to maintain temperature. The greatest thermal shock is usually due to contact between the heated solution and the room temperature film inside the tank. Therefore, the pre-bath has the task of pre-heating the film and the tank itself in order to avoid temperature deviations once development is entered. Furthermore, although the temperature must be as constant as possible, a deviation of up to 2-3 °C still allows for good results, on the condition that the average remains 37.8 - 38 °C / 100 - 100.4 °F

PRE-HEAT (WATER) 3'00" at 41-42 °C / 105.8-107.6 °F if room temperature is between 17-24 °C / 62.6-75.2 °F
3'00" at 40/41 °C / 104 -105.8°F if room temperature is between 25-30 °C / 77 -86 °F

DEVELOPER 3'15" at 39 °C / 102.2 °F

BLEACH 45"-60" at 30-38 °C / 86 - 100.4 °F

FIXER 2'00" - 2'30" at 30-38 °C / 86 - 100.4 °F

RINSE 8'00" - 12'00" at 30-38 °C / 86 - 100.4 °F

STABILIZER 1'00" at 30-38 °C / 86 - 100.4 °F

Capacity:

12" films 135/36 - 120

To double the capacity from 12 to 24 films, the solutions of the original Kit must be used within 5 weeks from their opening

WE RECOMMEND DEVELOPING AT LEAST 2-4 FILMS AT A TIME FOR GREATER EFFICIENCY.

Push processing:

+ 1 = +30" compared to the standard development time
+ 2 = +60" compared to the standard development time

Recommendations for 120 and 4x5 formats or higher

We recommend making a stop bath for 1'00" at 30-38 °C / 86 - 100.4 °F after developing and before bleaching to avoid any unevenness on the negative.

Safety instructions

Handle with care and follow the instructions for use below. Always wear protective gloves and proper individual safety devices; operate in well ventilated areas.

Consult the MSDS or contact BELLINI FOTO S.r.l. at: info@bellinifoto.it or by phone at +39 075 985 174.

This process, despite giving good results according to our tests, does not replace a standard temperature-controlled process in terms of quality and reproducibility.

TROUBLE SHOOTING

| PROBLEM | POSSIBLE CAUSES | SOLUTION |
|---|---|---|
| Insufficient density or underdeveloped negative | Development too short or temperature too low | Follow the instructions for use. Prolong development time by 15"-30" if necessary. |
| Color of the mask brownish | Bleaching and fixing times are too short | Make a new bleaching and fixing bath following the suggested times |
| Milky effect and areas after drying | Insufficient fixing | An additional or prolonged fixing bath is necessary |
| Whitely blurs on dry film | Limestone stains, the water used is too hard | In the future, use demineralised water to dilute the stabilizer bath. |
| Negatives appear more magenta than normal with high density near the edges sprocket holes | Development is too warm Agitation too strong | Keep the temperature as indicated Use milder agitation or the suggested intermittent agitation |