ARS-IMAGO 41
COLOR NEGATIVE
C-41 RAPID KIT

THE FASTEST HOME PROCESSING
KIT FOR COLOR NEGATIVE FILMS

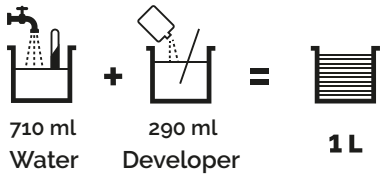
ars-imago 41 is a kit for the development of color negative films and is formulated for C-41 process.

Main features and benefits:

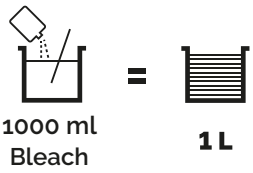
- Development in a single solution ready to be diluted
- 45" second extra rapid bleach
- Excellent results even without temperature control

PREPARATION

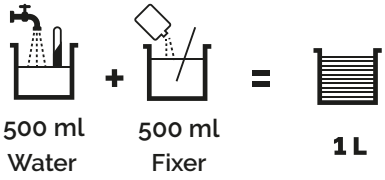
1 DEVELOPER



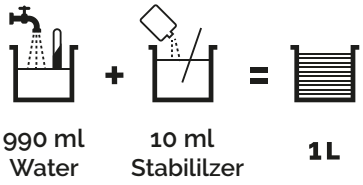
2 BLEACH



3 FIXER



4 STABILIZER



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	1'30" - 2'00"	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

** It is possible to replace the washing phase with 1-2 baths for 3' 00" in a diluted stabilizer used the previous time.*

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

Increase the development time by 15" seconds every 4 films:
5-8 films: 3'30"/9-12 films: 3'45"/13-16 films: 4'00"/ 17-20 * films: 4.15"
(only if used within 7 days of opening)*

Scan the qrcode whith your phone to follow the instruction

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	1'30" 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

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

Capacity:
12-20 * films 135/36 - 120

The kit serves about 12-15 films using diluted solutions within a maximum of 5 weeks.

*If used within 7-10 days and stored correctly in dark bellows bottles, it is possible to develop up to 20 films. 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.

Wash and stabilizer
There is no need to wash between development and bleaching and between bleaching and fixing.
The 8'00" -12'00" wash after fixing can be replaced with 1-2 baths of 3'00" in a diluted stabilizer used the previous time. The last 1'00" min bath should instead be carried out in a fresh solution that has just been diluted.

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.

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