

Bellini C41 Guide Sheet

Welcome to the best C41 processing kit currently available in today's market. Derived from minilab chemistry this will when used properly, deliver minilab quality results and is really very easy and fuss free to use.

Mixing Instructions: Some people may find that parts of this chemistry irritates a little without so we recommend that you wear gloves and safety goggles and work in a well-ventilated space. There is no need to use distilled nor de-ionised water...We won't do the diagram thing here because this bit is really quite easy:

Developer: Into a graduate or measuring jug pour out 740ml of warm water then add the 260ml concentrate to make the one litre then decant into your storage bottle ready to pour out the quantity required for each use.

Bleach: This is supplied is Ready to use and can remain in its original bottle.

Fix: Measure out 500ml of warm water then add to that the 500ml fix concentrate and store as advised.

And that's all there is to it! (Stabiliser we will come back to after the development table) but read that before starting out 😊

Directions for processing:

You can use a rotary processor if you so choose but in all honesty the process is so straightforward it is actually faster not to! Just use a bowl of the appropriate size and depth, part-filled with water and maintain its temperature at 38c, do so by adding hot or cool water as required. Bring the chemicals up to that temperature then warm your film in the tank for a few minutes before proceeding as shown below.

Tip: Once you have got to the stage where you're ready to add the bleach, you can relax a little and even allow a few degrees drop, as you will see from the following table, there is quite a lot of leeway...just focus your efforts on the development stage, get that right and the rest is easy!

A word about agitation: For each step it is recommended that inversion agitation is used for the first 15 seconds and then 5 seconds every half minute until complete.

Process Step	Temp C	Timing for Films 1-4	Timing for Films 5-8	Timing for Films 8-12	Timing for Films 12-16
Pre Warm	38c	3.00'	3.00'	3.00'	3.00'
Developer	38c	3'15"	3'30"	3'45"	4.00'
Bleach	32c - 38c	45 sec	45 sec	45 sec	45 sec
Fix	32c - 38c	3.00'	3.00'	3.00'	3.00'

Stabiliser: An area that causes some confusion but is actually very easy! This kit is supplied with enough stabiliser to fill a minilab; some ten litres if fully made up. More than enough but here's what to do:

This mixes up as follows 100ml adds to 9990ml to make ten litres but that's rather more than is easy to keep, so we say make up five litres if you can, add 10ml to 990ml for each litre that you can manage to store, we find that five litres works best and, anyone can find an old five litre plastic bottle...use that!

To use, decant a generous amount into an appropriate receptacle then remove your films from their spirals and immerse them for 10 to 30 seconds or so then hang to dry. DO NOT WASH IN WATER, stabiliser must be the final liquid to touch those films! Stabiliser, like all of the chemicals in this kit is not one shot and can be reused.

Storage: LOOK AFTER THAT DEVELOPER! For storage we use and offer brown glass bottles with vacuum seals that will take the best care of any chemistry, a method especially applicable to colour developers. The bleach is supplied ready to use and will be happy in its original bottle. Fix should be stored in an air tight bottle with as little air space as possible, preferably none. Once made up you should expect to see two to three months if left unused, more if vacuum sealed as we advise. The more oxygen in those bottles, the faster it will go off, also store somewhere cool.

Disposal: Please consult your local authority for advice on disposal of photographic chemistry...everywhere has a different procedure and different facilities!

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Safety & Handling: This is not a safety data sheet: Always refer to MSDS or contact BELLINI FOTO S.r.l. at e-mail: info@bellinifoto.it Tel: +39 075 985 174 or Nik & Trick Photo Services e-mail: info@NTphotoworks.com Tel: +44 1303 487156

Handle with care, KEEP IT AWAY FROM CHILDREN and follow safety and handling instructions using all the usual precautions and common sense when handling photographic chemistry, gloves, glasses etc. If this chemistry comes into contact with skin, rinse straight away under running water, if it gets into eyes then flush immediately with clean water and call for medical assistance for a precautionary check. Naturally, do not drink it, if it is by chance swallowed then induce vomiting and call for medical assistance

C41 DEVELOPER



Potassium Carbonate; Potassium Hydroxide; 4-(N-Ethyl-N-2-hydroxyethyl)-2-methylphenylenediamine sulfate

H301 – Toxic if swallowed.
H317 – May cause an allergic skin reaction.
H373 – May cause damage to organs through prolonged or repeated exposure >.
H400 – Very toxic to aquatic life.
H410 – Very toxic to aquatic life with long lasting effects.
H319 – Causes serious eye irritation.
H335 – May cause respiratory irritation.

C 41 BLEACH -RA



Trimethylenediaminetetraacetic Acid; Iron (III) Nitrate

H315 – Causes skin irritation.
H318 – Causes serious eye damage.

C 41 FIXER-RA

Ammonium Bisulfite; Ammonium Thiocyanate

EUH 032 – Contact with acids liberates very toxic gas.

C 41 STABILISER



1,2 benzoisothiazolin- 3- one

H317 – May cause an allergic skin reaction.