

Product information

Indicet

Tetenal Indicet is an odourless buffered stop bath with indicator. It is mainly used in the processing of Black & White films and Black & White photographic papers in trays and developing tanks, it can also be used in developing machines as well as in Tetenal Colortec C-41 and RA-4 processes.

Indicet odourless stop bath	0.25 litre concentrate for 5 litres	Art. No. 101044
	1 litre concentrate for 20 litres	Art. No. 101045

In Black & White processes, the alkaline developer is usually followed by an intermediate rinse or an acidic stop bath. In any case an acidic stop bath such as Indicet is recommended to ensure that the development is terminated in a controlled manner so that no streaks or post-development effects can occur.

An Indicet stop bath between alkaline developer and acidic fixer prevents the carry-over of developer into the fixer and thus prevents the possible formation of dichroic fog during fixation. Indicet provides a high degree of processing safety, an integrated pH indicator shows the state of exhaustion of the working solution by means of a colour change. The odourless Indicet formula ensures a user-friendly environment - advantageous especially when working in small rooms with little air exchange.

Occupational safety

Handling of photographic chemicals is safe if used properly and protective measures are followed. Hazard and precautionary information can be found on the label (H and P phrases, hazard symbol) and in the safety data sheet. Personal protective equipment (PPE) should include safety goggles or face shield, protective gloves and a lab coat or apron.

Mixing of working solution

A ready-to-use Indicet working solution is prepared by mixing Indicet concentrate with water. Using warm water to mix the Indicet concentrate to a temperature of approx. 20°C, the Indicet working solution is ready for immediate use.

Dilution 1+19: 1 part of Indicet concentrate is mixed with 19 parts of water. Example: For 1 litre Indicet working solution mix 950 ml water with 50 ml Indicet concentrate. Always start the water first and then add the concentrate - not vice versa.

Tray and tank processing: Time

The recommended time for the Indicet stop bath is 10 to 30 seconds, with a maximum of 60 seconds. Longer times than 60 seconds should be avoided, especially when processing fibre based (baryta) papers, in order to prevent the paper base from becoming saturated with stop bath, thus avoiding a possible discolouration of the paper base.

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Tray and tank processing: Agitation

Processing in trays and tanks requires regular movement. The developing tank should be alternately tilted by 180°. In doing so, the tank is turned upside down and then immediately returned to the starting position. The sequence 10 seconds of agitation, 10 seconds of pause, 10 seconds of agitation, etc. has proven to be effective. When processing in trays, there are two possibilities: Either slightly lift and lower the tray and move the liquid or grasp the paper with a pair of laboratory tongs and move it slightly up and down. In doing so, the position of the laboratory tongs must be changed at short intervals to allow a treatment of the complete paper surface.

Tray and tank processing: Capacity

(per litre of working solution)

Max. 15 films 135-36

or

Max. 3 m² Black & White RC/PE paper, equivalent to 23 sheets 18 x 24 cm

or

Max. 1.5 m² Black & White fibre based paper (baryta), equivalent to 12 sheets 18 x 24 cm

Control

Indicet has a built-in indicator that shows when the bath is exhausted and should be replaced by changing colour from yellow to purple.

Application in combination with neutral fixing baths

If neutral fixing baths are applied, such as Tetenal Superfix odourless, Art. No. 103067, the use of a stop bath between developer and fixer is obligatory. The odourless Indicet formula is ideally suited for this application.

Application in Black & White developing machines

Indicet can be used in developing machines with replenishment system for Black & White films and papers, a maximum time of 60 seconds should not be exceeded. Mixing: 1 + 19. Replenishment rate: 300 ml / m² for RC / PE papers, or 40 ml / 135-36. The temperature for the Indicet stop bath should be approximately the same as the temperature of the developer.

Application in Colour Processes

To increase the processing safety for multiple use of bleach bath in Colortec C-41 and RA-4 process, an Indicet stop bath can optionally be inserted between the colour developer and the bleach fix.

Mixing: 1 + 19. Application time: 30 - 60 seconds. Temperature: As the colour developer. Capacity per litre: max. 3 m² colour paper or max. 15 colour negative films 135-36.

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Storage

Indicet concentrates should be stored in a dry place, protected from frost and inaccessible to children. The maximum temperature range is between 5°C and 30°C. Ideal storage temperature is between 10°C and 20°C.

Shelf life

Indicet concentrate in unopened, originally sealed bottles has a maximum shelf life of 5 years. In partially emptied concentrate bottles, the shelf life is max. 12 months. By using a protective gas - such as Tetenal Protectan Art. No. 105193 - the shelf life can be extended to max. 24 months. The shelf life of Indicet working solutions - fresh or used - is limited to a maximum of 2 weeks.

Disposal

Photochemicals - concentrates or working solutions - must be disposed of in compliance with all local and national regulations.

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TETENAL 1847 GmbH
Schuetzenwall 31-35
22844 Norderstedt
Germany

www.Tetenal.com
+ 49 (0)40 521 45-0