

PRODUCT INFORMATION

RA-4 3000 *High Speed*

RA-4 3000 High Speed chemicals are designed for the processing of RA-4 compatible colour papers in high-speed minilabs such as KIS DKS 15xx, 16xx, 17xx and other processors with shortened processing time.

Colour Developer Replenisher CD-R	5 x 2 L conc. for 5 x 16 L resp. for 5 x 148 m ²	REF 12550
Bleach Fix Replenisher BX-R	5 x 2 L conc. for 5 x 6.6 L resp. for 5 x 61 m ²	REF 12690
Super Stabilizer and Replenisher STAB-WL	2 L conc. for 400 resp. for 1000 m ²	REF 16035
Colour Developer Starter CD-S	2 L conc. for 80 L	REF 12810
Bleach Fix Starter BX-S	2 L conc for 40 L	REF 12910
CD-Additiv Plus	2 x 0,5 L conc. for 2 x 250 L	REF 16222
BX-Additiv	1 L conc. for 100-200 L	REF 16450

Colour Developer Starter CD-S is required if Colour Developer working solution is to be prepared fresh.

Bleach Fix Starter BX-S is required if Bleach Fix working solution is to be prepared fresh.

CD-Additiv Plus and BX-Additiv are antioxidants, that can be used optionally. They prevent premature oxidation and decomposition of Colour Developer and Bleach Fix at low utilisation.

PROCESSING PARAMETERS

REPLENISHMENT RATES

CD-R 3000: 108 ml /m² BX-R 3000: 108 ml /m² STAB-WL: 400 ml /m²

TIMES

CD: 20-22 s BX: 20-22 s STAB-WL: 3 x 20 s

TEMPERATURES

CD: 40,0 ± 0,3 °C BX: 36,0 ± 3° C STAB-WL: 36,0 ± 3° C

The data given are guide values that may deviate in practice depending on the colour paper used, on utilisation and on individual technical processing conditions.

Tempered working solutions are subject to a continuous evaporation of water. Accordingly, evaporation losses should be compensated by a daily addition of water, in order to avoid an increase in the concentration of the working solutions. Before starting work, working tanks must be topped up with water up to the overflow level.

Any tempering of working solutions has a stressing effect on the shelf life of the chemicals, therefore processors should be switched off immediately after the end of work and the timer programmed accordingly.

PUMP DOSING FOR CONCENTRATES AND WATER

CD-R 3000

P1 concentrate: 0,125

P2 water: 0,875

BX-R 3000

P4 concentrate: 0,3

P3 water: 0,7

STAB-WL

P5 concentrate: 0,005

P6 water: 0,995

P = pump

OPTIONAL USE OF CD-ADDITIV PLUS AND BX-ADDITIV

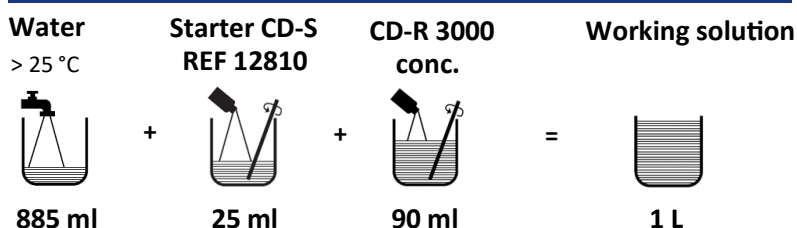
Add CD-Additiv Plus weekly directly to the working solution:

2 ml CD-Additiv Plus per litre, once a week

Add BX-Additive weekly directly to the working solution:

10 ml BX-Additiv per litre once a week

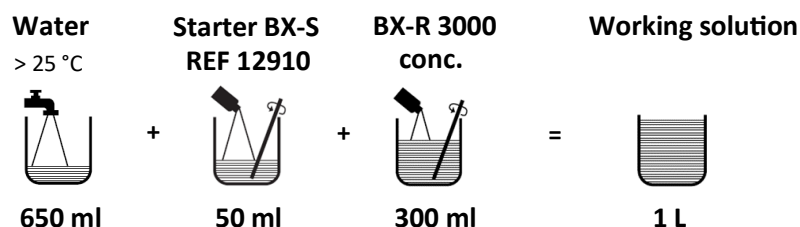
MIXING OF WORKING SOLUTION CD-R 3000



The specified quantities for water, Starter CD-S and CD-R 3000 concentrate for mixing 1 litre of working solution are to be multiplied by the volume of the respective CD working tank.

When mixing, always start with the full amount of water, then add Starter CD-S and CD-R 3000 concentrate. Warm water (> 25 °C) favours quick and good mixing. Mixing time: approx. 1-2 minutes.

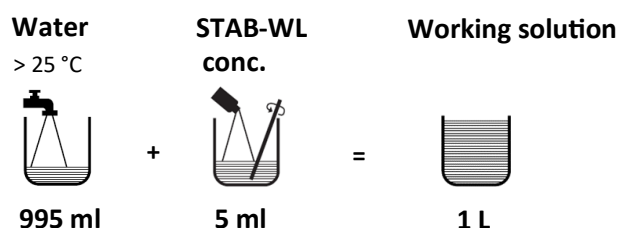
MIXING OF WORKING SOLUTION BX-R 3000



The specified quantities for water, Starter BX-S and BX-R 3000 concentrate for mixing 1 litre of working solution are to be multiplied by the volume of the respective BX working tank.

When mixing, always start with the full amount of water, then add Starter BX-S and BX-R 3000 Concentrate. Warm water (> 25 °C) favours quick and good mixing. Mixing time: approx. 1-2 minutes.

MIXING OF WORKING SOLUTION STAB-WL



The specified quantities for water and STAB-WL concentrate for mixing 1 litre of working solution are to be multiplied by the volume of the respective STAB-WL working tank.

When mixing, always start with the full amount of water, then add STAB-WL concentrate. Warm water (> 25 °C) favours quick and good mixing. Mixing time: approx. 1-2 minutes.

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 should include safety goggles or face shield, protective gloves and a lab coat or apron.

STORAGE

RA-4 3000 High Speed concentrates should be stored dry, frost-proof and out of the reach of children. The maximum temperature range is between 5°C and 25°C. Storage temperatures between 10°C and 20°C are ideal.

SHELF LIFE

RA-4 3000 High Speed concentrates in unopened, originally sealed bottles and canisters have a shelf life of approx. 2 years.

DISPOSAL

Photographic chemicals - concentrates or used baths - must not be discharged into the public sewer system. These chemicals must be discarded by commercial waste treatment companies, who properly treat and dispose of in accordance with legal regulations. Further information can be found in the safety data sheet.