

PRODUCT INFORMATION

UNI STAB *C-41 RA · C-41 PRO · CN-16 L · E-6* STABILIZER & REPLENISHER

UNI STAB is a 1-part Stabilizer for the washless processing of colour negative films in the C-41 RA and CN-16 L minilab processes. Another application is Stabilizer as the Final Bath in the processes C-41 PRO and E-6 for Dip & Dunk and Continuous Machines (CF).

UNI STAB Pack with 2 x 0.5 L conc. for 2 x 10 x 10 L / 2 x 20 x 5 L REF 13710
Bottles with dosage chamber

In C-41 RA process, the Stabilizer is applied in a cascade of 3 tanks - in CN-16 L process, the tank configuration varies, depending on the film processor model. Processors FP 362 B, FP 562 B and FP 922 are equipped with a 2 tank-cascade (N4-1 and N4-2), while film processor FP 232 B has got 1 tank for the Stabilizer (N4).

The replenisher is fed into the last tank of the cascade, from where the overflow enters the tank located in front of. Overflow from the first tank of the cascade is fed into the disposal tank.

In professional processes C-41 PRO and E-6 for Dip & Dunk and Continuous Machines (CF) the Stabilizer is applied as Final Bath, after the final water wash.

YIELD

C-41 RA: for ca. 5.000 rolls 135-24 or ca. 3.500 rolls 135-36

CN-16 L: for ca. 10.000 rolls 135-24 or ca. 7.100 rolls 135-36 (FP232 B)

CN-16 L: for ca. 6.666 rolls 135-24 oder ca. 4.760 rolls 135-36 (FP 362 B, FP 562 B, FP 922)

C-41 PRO: for ca. 3.030 rolls 135-36 (Dip & Dunk machine)

E-6: for ca. 3.450 rolls 135-36 (Dip & Dunk machine)

MIXING OF REPLENISHER

C-41 RA

Water	UNI STAB conc.	Replenisher	
			
1 L	5 ml	~ 1 L	
5 L	25 ml	~ 5 L	
10 L	50 ml	~ 10 L	(25 ml = 1 full dosage chamber / 50 ml = 2 full dosage chambers)

REPLENISHMENT

C-41 RA

Replenishment rates: 40 ml/135-24 35.4 ml/Meter Film 135
73.0 ml/Meter Film 120

TIME & TEMPERATURE

C-41 RA

Temperature: 38°C ± 3°C **Time:** 3 x ca. 20 s

MIXING OF WORKING SOLUTION

C-41 RA

Mixing of working solution is required, when the working tank of the machine is to be refilled, e.g. when installing a machine or after tank cleaning as part of maintenance.

Stabilizer working solution and Stabilizer replenisher are identical. A Starter is not required.

The easiest way to mix is in a large, stable bucket with a pouring spout. Stir in the concentrate briefly — avoid swirling air into the mixture to prevent foaming. Pour any excess Stabilizer into the replenisher tank.

STABILIZER WORKING TANK CAPACITIES

C-41 RA

Noritsu T-15: ~ 3.7 L	Agfa FP 100: ~ 10.4 L	Konica CL-KP 32 EQA: ~ 9.9 L
Noritsu V-30: ~ 5.7 L	Agfa FP 200: ~ 10.4 L	KIS AKS 32: ~ 10.4 L
Noritsu V-50: ~ 8.4 L	Agfa FP 1-72: ~ 10.4 L	
Noritsu V-100: ~ 13.1 L	Agfa FP 2-72: ~ 10.0 L	

3 tanks in cascade. Specified capacities are the total capacity of the 3 working tanks.

COMPENSATION OF EVAPORATION

C-41 RA

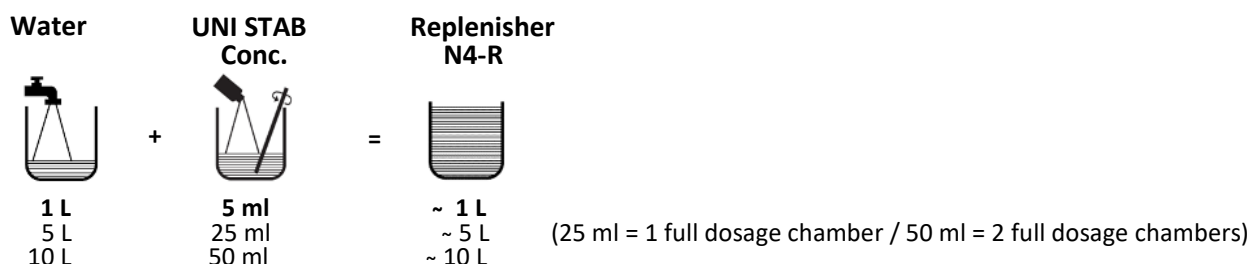
Tempered working solution is subject to a continuous evaporation of water. Accordingly, the evaporation should be compensated by a daily addition of water to the working solution in order to avoid an increase in the concentration.

In case that machines are not equipped with an automatic compensation system, water is to be added manually up to the overflow, before every start working.



MIXING OF REPLENISHER

N4-R CN-16 L



REPLENISHMENT

N4-R CN-16 L

Replenishment rates: 15 ml/135-24 for FP 362 B, FP 562 B, FP 922
20 ml/135-24 for FP 232 B

TIME & TEMPERATURE

N4 CN-16 L

Temperature: 38°C ± 3°C

Time: 2 x ca. 20 s for FP 362 B, FP 562 B, FP 922
1 x ca. 42 s for FP 232 B

MIXING OF WORKING SOLUTION

N4 CN-16 L

Mixing of working solution is required, when the working tank of the machine is to be refilled, e.g. when installing a machine or after tank cleaning as part of maintenance.

Stabilizer working solution and Stabilizer replenisher are identical. A Starter is not required.

The easiest way to mix is in a large, stable bucket with a pouring spout. Stir in the concentrate briefly — avoid swirling air into the mixture to prevent foaming. Pour any excess Stabilizer into the replenisher tank.

WORKING TANK CAPACITIES

N4 CN-16 L

Fuji FP 232 B: 1 x ca. 1.5 L

Fuji FP 362 B: 2 x ca. 3.0 L

Fuji FP 562 B: 2 x ca. 3.0 L

Fuji FP 922: 1 x ca. 4.5 L plus 1 x ca. 47 L

FP 362 B, FP 562 B, FP 922: 2 tanks in a cascade.

FP 232 B: 1 tank.

COMPENSATION OF EVAPORATION

N4 CN-16 L

Tempered working solution is subject to a continuous evaporation of water. Accordingly, the evaporation should be compensated by a daily addition of water to the working solution in order to avoid an increase in the concentration.

In case that machines are not equipped with an automatic compensation system, water is to be added manually to the Stabilizer working tanks, filled up to the overflow level before every start working.



MIXING OF REPLENISHER

C-41 PRO

Water	UNI STAB conc.	Replenisher
		
1 L	5 ml	~ 1 L
10 L	50 ml	~ 10 L
50 L	250 ml	~ 50 L
100 L	500 ml	100.5 L

(25 ml = 1 full dosage chamber / 50 ml = 2 full dosage chambers)
(500 ml = complete bottle content)

REPLENISHMENT

C-41 PRO

Replenishment rate: 66 ml/135-36
63 ml/120

The specified replenishment rate is a guideline value — a higher rate is possible without restriction, as the UNI STAB working solution and replenisher are identical. A higher replenishment rate has a positive effect on the cleanliness of the working tank in the event of low machine utilisation.

TIME & TEMPERATURE

C-41 PRO

Time: ca. 1:05 min

Temperature: 38°C ± 3°C

MIXING OF WORKING SOLUTION

C-41 PRO

Preparation of working solution is required, when the working tank of the machine is to be refilled, e.g. when installing a machine or after tank cleaning as part of maintenance.

Stabilizer working solution and Stabilizer replenisher are identical. A Starter is not required.

Mixing can either be done in a separate mixing vessel or directly in the working tank of the machine. Direct mixing in the working tank requires precise knowledge of the tank capacity.

Always first start with the required amount of water and only then add the corresponding volume of UNI STAB concentrate to match the mixing volume. Warm water reduces the time for heating up the machine.

Stir gently and avoid swirling air into the solution, in order to prevent foaming. Pour any excess Stabilizer into the replenisher tank. The mixing time should not exceed approx. 1 minute.

COMPENSATION OF EVAPORATION

C-41 PRO

Tempered working solution is subject to a continuous evaporation of water. Accordingly, the evaporation should be compensated by a daily addition of water to the working solution, in order to avoid an increase in the concentration.

Water is to be added manually to the Stabilizer working tank, filled up to the overflow level before every start working.



MIXING OF REPLENISHER

E-6

Water



1 L
10 L
50 L
100 L

+

UNI STAB
conc.



5 ml
50 ml
250 ml
500 ml

=

Replenisher



~ 1 L
~ 10 L
~ 50 L
100,5 L

(25 ml = 1 full dosage chamber / 50 ml = 2 full dosage chambers)

REPLENISHMENT

E-6

Replenishment rates 58 ml/135-36 1100 ml / m²
56 ml/120

The specified replenishment rate is a guideline value – a higher rate is possible without restriction, as UNI STAB working solution and replenisher are identical. A higher replenishment rate has a positive effect on the cleanliness of the working tank in the event of low machine utilisation.

TIME & TEMPERATURE

E-6

Time: ca. 1:05 min

Temperature: 38°C ± 3°C

MIXING OF WORKING SOLUTION

E-6

Preparation of working solution is required, when the working tank of the machine is to be refilled, e.g. when installing a machine or after tank cleaning as part of maintenance.

Stabilizer working solution and Stabilizer replenisher are identical. A Starter is not required.

Mixing can either be done in a separate mixing vessel or directly in the working tank of the machine. Direct mixing in the working tank requires precise knowledge of the tank capacity.

Always first start with the required amount of water and only then add the corresponding volume of UNI STAB concentrate to match the mixing volume. Warm water reduces the time for heating up the machine.

Stir gently and avoid swirling air into the solution, in order to prevent foaming. Pour any excess Stabilizer into the replenisher tank. The mixing time should not exceed approx. 1 minute.

COMPENSATION OF EVAPORATION

E-6

Tempered working solution is subject to a continuous evaporation of water. Accordingly, the evaporation should be compensated by a daily addition of water to the working solution, in order to avoid an increase in the concentration.

In case that a machine is not equipped with an automatic compensation system, water is to be added manually to the Stabilizer working tanks, filled up to the overflow level before every start working.



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. *Lufteinwirbelungen vermeiden*

STORAGE

UNI STAB C-41 concentrate in original packs should be stored dry, frost-proof and out of the reach of children. The maximum temperature range is between 5°C and 25°C. Crystallisation of individual ingredients may occur at low temperatures. Avoid direct heat sources. Storage temperatures between 10°C and 20°C are ideal.

SHELF LIFE

UNI STAB C-41 concentrate in its original packaging in unopened bottles has a shelf life of approx. 2 years.

DISPOSAL

Photographic chemicals - concentrates or used baths - must not be discharged into the public sewerage 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.