



CP RA 100 Developer Regenerator

For Processing Fujicolor CA and Process RA-4 Compatible Color Papers

600005278 Part A /600005279 Part B /600005281 Part C (150 G)

DESCRIPTION

This developer is formulated to regenerate CP RA 100 developer overflow. No pretreatment of the developer overflow is necessary prior to regeneration.

SAFE HANDLING INSTRUCTIONS

Please refer to Material Safety Data Sheets (MSDS) for specific chemical details. For emergencies, please contact CHEMTREC at 1-800-424-9300. You can obtain an MSDS by calling the Fujifilm Technical Hotline at 1-800-526-0851 Ext. 10.

HMIS INFORMATION

Hazardous Materials Identification System. Please refer to Section 3 in the MSDS for further information.

	Concentrate			Repl.	Working Tank
	Pt. A	Pt. B	Pt. C		
Health	1	3	3	1	1
Flammability	2	0	0	0	0
Reactivity	0	0	0	0	0
Personal Protection	C	C	C	C	C

SPECS & RECOMMENDATIONS

Temperature	37.8° ± 0.3° C 100° ± 0.5° F
Processing Time	45"
Starting Replenishment Rate	118 - 161 ml / m ² 11 - 15 ml / ft ²

SPECIFIC GRAVITY & pH

	pH @ 25° C	SpG @ 20° C	SpG @ 37.8° C
Replenisher Tank (Regen)	10.83 ± 0.05	1.037 ± 0.005	1.031 ± 0.005
Fresh Tank	10.25 ± 0.05	1.027 ± 0.005	1.021 ± 0.005
Seasoned Tank	10.20 ± 0.05	1.040 ± 0.005	1.034 ± 0.005

MIXING INSTRUCTIONS – TO REGENERATE CP RA 100 DEVELOPER OVERFLOW

REG	Dev. Overflow	Warm Water	Regenerator Concentrate		
			Part A	Part B	Part C
150 Gallons	82.5 G	56.25 G	3.75 G	3.75 G	3.75 G
1 Liter	550 ml	375 ml	25 ml	25 ml	25 ml
1 Gallon	70.4 oz	48 oz	3.2 oz	3.2 oz	3.2 oz

To Mix 150 Gallons of Regenerated Replenisher:

1. Start with 82.5 gallons of developer overflow.
2. Add 56.25 gallons of warm water. Mix 1 minute.
3. Add 3.75 gallons of Part A. Mix 2-3 minutes.
4. Add 3.75 gallons of Part B. Mix 2-3 minutes.
5. Add 3.75 gallons of Part C. Mix 2-3 minutes.
6. Adjust pH and specific gravity to replenisher specifications.
7. Continue mixing until completely uniform.

MIXING INSTRUCTIONS – WORKING TANK

W	Warm Water	Starter (600005405)	Developer Replenisher
1 Liter	320 ml	80 ml	600 ml
1 Gallon	40.96 oz	10.24 oz	76.8 oz
Tank Volume			
YOUR TANK			

(SEE PAGE 2 ON HOW TO USE REGENERATION CONCENTRATES TO MAKE FRESH REPLENISHES)

1000 ml = 1 liter 128 oz = 1 gallon

SHELF LIFE

	Concentrate			Repl.	Working Tank
	Pt. A	Pt. B	Pt. C		
Time	U = 24 Months O = 16 Weeks	U = 18 Months O = 8 Weeks	U = 24 Months O = 16 Weeks	4 Weeks	2 Weeks
Color	Clear, Yellowish-Orange	Clear, Amber	Clear, Colorless	Clear, Pale Yellow	Clear, Pale Yellow
Odor	Amine	Sulfur Dioxide	No Odor	Slight Amine	Slight Amine

U = Unopened, O = Opened

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**TO MAKE REPLENISHER FROM
REGENERATION CONCENTRATES
(Cat # 600005278, 600005279, 600005281)**

	Water	Concentrate			Starter 600005405
		Part A	Part B	Part C	
1 Liter	785 ml	56 ml	38 ml	41 ml	80 ml
1 Gallon	100.6 oz	7.2 oz	4.9 oz	5.3 oz	10 oz

1 CUBE PART A WILL MAKE 67 GALS REPLENISHER

1 CUBE PART B WILL MAKE 98.7 GALS REPLENISHER

1 CUBE PART C WILL MAKE 91.5 GALS REPLENISHER

CP RA P2 Bleach Fix Regenerator

For Processing Fujicolor CA and Process RA-4 Compatible Color Papers



600005608 Part A and 600005609 Part B (84 G)

DESCRIPTION

This product is designed to regenerate CP RA Bleach Fix overflow after electrolytic desilvering. CP RA Bleach Fix Regenerator is intended for use by large volume photofinishing laboratories.

SAFE HANDLING INSTRUCTIONS

Please refer to Material Safety Data Sheets (MSDS) for specific chemical details. For emergencies, please contact CHEMTREC at 1-800-424-9300. You can obtain an MSDS by calling the Fujifilm Technical Hotline at 1-800-526-0851 Ext. 10.

HMIS INFORMATION

Hazardous Materials Identification System. Please refer to Section 3 in the MSDS for further information.

	Concentrate		Replenisher	Working Tank
	Pt. A	Pt. B		
Health	1	1	1	1
Flammability	0	0	0	0
Reactivity	0	0	0	0
Personal Protection	C	C	C	C

SPECS & RECOMMENDATIONS

Temperature	32° – 38° C 90° – 100° F
Processing Time	45"
Starting Replenishment Rate	215 ml / m ² 20 ml / ft ²

SPECIFIC GRAVITY & pH

	pH @ 25° C		SpG @ 20° C	SpG @ 35° C
	With Desilver Solution*	Without Desilver Solution*		
Regenerated Replenisher	5.80 ± 0.10	6.70 ± 0.25	1.125 ± 0.025	1.118 ± 0.025
Fresh Tank Use CP RA B/F Replenisher	5.80 ± 0.10	5.80 ± 0.10	1.073 ± 0.005	1.066 ± 0.005
Seasoned Tank	6.65 ± 0.25	7.55 ± 0.25	1.112 ± 0.030	1.105 ± 0.030

* See Desilvering Solution (600005642) for details

MIXING INSTRUCTIONS

REGENERATED REPLENISHER

REG	Bleach Fix Overflow ¹	Water	Concentrate		Acetic Acid ²
			Part A	Part B	
84 Gallons	72.2 G	4.8 G	1 Cube (4.3 G)	1 Cube (1.6 G)	1.1 Apprx
1 Liter	860 ml	57 ml	51 ml	19 ml	13 m
1 Gallon	110.1 oz	7.3 oz	6.5 oz	2.4 oz	1.7 c

*90% Acetic Acid

It may be necessary to add Desilvering Solution to bleach fix overflow prior to electrolytic desilvering. Refer to TB 600005642 for additional details.

- Bleach fix overflow should be electrolytically desilvered down to between 0.5 and 1.5 g/l of silver prior to regenerating the overflow.
- Check the pH of the bleach fix before adding acetic acid. pH adjustment may not be necessary.

To Make 84 Gallons of Regenerated Replenisher:

- Start with 72 gallons of desilvered bleach fix overflow.
- Add 4.8 gallons of warm water. Mix 2 to 3 minutes.
- Add 1 cube of Part A. Rinse cube with small volume of water and add to mix tank. Mix 2 to 3 minutes.
- Add 1 cube of Part B. Rinse cube with small volume of water and add to mix tank. Mix 2 to 3 minutes.
- Adjust the pH of the bleach fix to specification using acetic acid (begin with approximately 1.11 gallons).
- Check the specific gravity of the bleach fix. Adjust to specification if necessary.

MIXING INSTRUCTIONS – WORKING TANK

W	Use CP RA Bleach Fix Replenisher (See page 2 on how to use Regeneration Concentrates as Replenisher)
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SHELF LIFE

	Concentrate		Regen. Repl.	Working Tank
	Part A	Part B		
Time	U = 18 Months O = 16 Weeks	U = 24 Months O = 16 Weeks	4 Weeks	2 Week
Color	Clear, Colorless	Clear, Reddish-Brown	Clear, Reddish-Brown	Clear, Reddish-Brown
Odor	Slight Ammonia	Mild Ammonia	No Odor	No Odor

U = Unopened, O = Opened

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**TO MAKE REPLENISHER FROM
REGENERATION CONCENTRATES**

(Cat # 600005608 & 600005609)

REPLENISHER

	Water	Concentrate		Acetic Acid
		Part A	Part B	
1 Liter	768 ml	150 ml	75 ml	7 ml*
1 Gallon	98.3 oz	19.2 oz	9.6 oz	0.9 oz

***90% Acetic Acid**

1 CUBE PART A WILL MAKE 29 GALS REPLENISHER

1 CUBE PART B WILL MAKE 21 GALS REPLENISHER