

RA-4 Print Chemicals: LR Systems

NATURECARE SP 73 PRINT DEVELOPER REPLENISHER is a clear, homogeneous, single part P1 developer concentrate designed for Low Replenishment rate (LR) processing systems. With a replenishment rate of 73 mls/m² at 38.5°C (6.8 mls/ft² @ 101.3°F) this product can be used as a drop-in replacement for Fuji Hunt EC1 RA LR at the same times, temperatures and replenishment rates.

The advantages of single part technology are clear - it's easy to use - just add water, plus, with less parts to mix together there is less chance of mixing errors, as well as saving time in the mixing process and potentially saving packaging waste.

P1 NatureCare SP 73 Print Developer Replenisher

- Single Part (SP) homogeneous, clear developer which is easy to use - just mix with water. No parts to mix together-reduces chances of mixing errors and mixing time with less packaging waste.
- Replenishment rate of 73 mls/m² at 38.5°C (6.8 mls/ft² @ 101.3°F)
- Easy drop-in replacement on top of Fuji Hunt EC1 RA LR Developer Replenisher at the same times, temperatures and replenishment rates
- Clean formulation significantly reduces 3 types of developer dirt:
 1. Developer Creep (oxidized developer agent on crossover rollers/racks)
 2. Tar-like suspended oxidized compounds in the developer solution that stick to rollers and racks
 3. Cement-like calcified salts, caused by local hard water and paper hardening agent, which fall to the bottom of the tank
- Fresh Air Included. No fishy amine odor.
- Extended shelf life - minimum 1 year from the date of manufacture in unopened container



P2 NatureCare SNR Bleach-Fix Replenisher

- Single Part (SP) homogeneous, clear bleach-fix which is easy to use - just mix with water. No parts to mix together-reduces chances of mixing errors and mixing time with less packaging waste
- Low replenishment rate of 54 mls/m² or 5 mls/ft² works well in med-high volume / med-high production photolabs
- Single part formulation is considered non-hazardous for shipping purposes
- Extended shelf life - minimum 1 year from the date of manufacture in unopened container

P3 Mydoprint Plus Rinse

- Single part rinse works well with most RA-4 or EP-2 washless systems

PROCESS SPECIFICATIONS

*recommended starting point

**depends upon on # of wash tanks used

Step	Processing Stage	Processing Time (Sec)	Recommended Temp.	Replenishment Rate	Preparation of Working Solution (1L)
P1	NatureCare SP 73 Print Developer Replenisher	46 ± 2	38.5±0.3°C 101.3±0.5°F	73± mls/m ² * 6.8± mls/ft ² *	1) 55mls Starter 2) 545mls water 3) 400mls Developer replenisher
P2	NatureCare SNR Bleach-Fix Replenisher	74 ± 30	35.0±3.0°C 95.0±5.0°F	54± mls/m ² * 5.0± mls/ft ² *	500mls water 500mls Replenisher
P3	Mydoprint Plus Mydoprint Plus Rinse	148 ± 61	35.0±3.0°C 95.0±5.0°F	250**± mls/m ² * 23**± mls/ft ²	Same as Replenisher

CHEMISTRY SPECIFICATIONS

	P1 NatureCare SP73 Print Developer Replenisher		P2 NatureCare SNR Bleach-Fix Replenisher	
	Seasoned Tank	Replenisher Tank	Seasoned Tank	Replenisher Tank
pH	10.15±0.10	11.27±0.05	7.30±0.10	5.88±0.10
Sp Gr	1.055±0.010	1.045±0.010	1.097±0.010	1.124±0.010

Preparation:

NATURECARE SP 73

RA-4 Print Chemicals:
LR Systems

FOR
PAPER

Replenisher Solutions

*Mix well

P1 - NatureCare SP 73 Print Developer Replenisher

H₂O 8.05L 1x

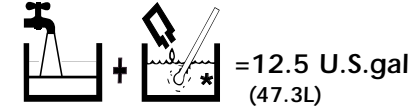


P2 - NatureCare SNR Bleach-Fix Replenisher

H₂O 6L 1x



H₂O 7.5 U.S.gal
(28.4L) 1x

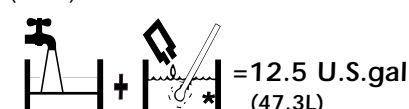


P3 - Mydoprint Plus Rinse

H₂O 9.8L 1x



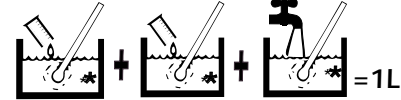
H₂O 12.2 U.S.gal
(46.3L) 1x



Working Solutions: Developer & Bleach-Fix

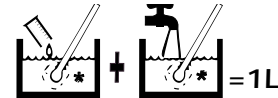
P2 - NatureCare SP 73 Print Developer

Replenisher 400mls Mydoprint RA Dev Starter 55mls H₂O 545mls



P2 - NatureCare SNR Bleach-Fix

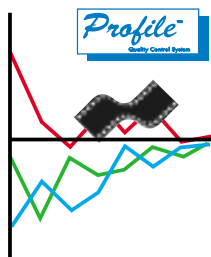
Replenisher 500mls H₂O 500mls



For P3, Mydoprint Plus Rinse, preparation of the working solution is same as the Replenisher

STORAGE OF CHEMICALS:

- Concentrates** - All of the processing system concentrates have a normal storage life of at least 12 months, when held in unopened containers under steady temperature conditions 13°-18°C (56°F - 66°F). However, storage temperatures below 5°C (41.5°F) should be avoided as some crystallization may occur.
- Working Solutions and Replenishers** - Machine tank solutions should not be allowed to stand unused for more than one week, or the activity will be reduced by aerial oxidation. No more than one week's supply of any of the replenisher solutions should be made up at a time. Replenisher solutions should be kept covered with lids to reduce evaporation, oxidation and contamination.
- Safe Use of Processing Chemicals** - All chemicals should be kept out of reach of children. Refer to labels on the box and to the Material Safety Data Sheet for precautionary information. Protective clothing, including gloves and face/eye protection should always be worn when handling chemicals. Contact our Service Plus Department or your local representative to determine which combination of chemicals is best suited for you.



The Profile Quality Control System is comprised of two key elements - Profile Control Strips and Profile Quality Control Software. Profile Control Strips are easy to work with and have been optimized to give the best results with Champion Photochemistry & Russell Photochemistry. Profile Quality Control Software has been manufactured under strict quality control procedures.

Champion Photochemistry and Russell Photochemistry are the only independent chemical manufacturers worldwide to make control strips and to market a Q.C. software.

The Profile Quality Control System offers the following features & benefits:

- Extremely user-friendly
- Outstanding diagnostic components
- Full colour clothesline plot reports
- Full data on history, current status and diagnosis
- Early detection process
- Recommendations for corrective action plans
- Full technical support available
- Updates to software sent automatically to current registered users
- New email feature allows labs to email files to your central site for timely evaluation

SUPPLIES

		To make	Product Code
P1	NatureCare SP 73 Print Dev Replenisher	4x10L	2-105-L40
P1	NatureCare SP 73 Print Dev Replenisher	TBD	TBD
P2	NatureCare SNR Bleach-Fix Replenisher	4x10L	2-121-L10
P2	NatureCare SNR Bleach-Fix Replenisher	12.5gal	2-121-L25
P3	Mydoprint Plus Rinse	12x10L	2-414-L60
P3	Mydoprint Plus Rinse	6x12.5gal	2-414-L75
P1-S	Mydoprint RA Dev Starter	Variable	2-140-411
	Profile RA-4 Paper Control Strips	20 strips	PS-141-505

For a complete list of the C-41 chemicals which complement this system of RA-4 chemistry, please refer to TDS # F1, F3 and F5.

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Manufactured By

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