

Product information sheet 457

This sheet may be circulated to customers

FUJI HUNT RA4 Chemistry
for use with Noritsu LPS-24 Pro

Noritsu LPS-24 Pro

Standard version

The standard version of the LPS-24 Pro minilab runs at 51 seconds developer time. Fujifilm offers a wide selection of products which can be installed of which the following 2 options are the most common :

Option 1: CPRA Developer Replenisher AC (35°C) for low to medium processing volume

CPRA Developer Replenisher AC is a three part developer running at 35°C, with a recommended replenishment rate of 160 ml/m². This is available as 4x10L packs and can be used with EnviroPrint Bleach-Fix 215 AC, available in 2x10L packs. Both are ideal for the LPS-24 Pro. This will provide optimum DMax and print quality in all but the very lowest throughput conditions.

Option 2 : EnviroPrint Developer Replenisher MP60 AC (38°C) for high volume processing

As a more convenient alternative, assuming sufficient processing volume, the monopart EnviroPrint Developer MP60AC, running at 60 ml/m², may be used (at 38°C). This should be used with EnviroPrint Bleach-Fix 70AC, replenished at 70 ml/m².

The above are all odour free products, making them ideal for use in retail environments.

High speed version

The 33% higher output capacity of the 33.7-second development time variant of the LPS-24 Pro will normally only be installed in high volume locations, so considerations of low throughput should not apply.

Recommended developer for this machine is also EnviroPrint MP60AC, available in 4x10L packs. Developer temperature should be 39.0 ± 0.3°C with a replenishment rate of 75 ml/m². EnviroPrint Bleach-Fix 70AC should be used, and is available in 2x10L packs. Suggested replenishment rate is 90 ml/m².

For low throughput locations, where less than 5L of developer replenisher is used weekly (one 10L mix / 2 weeks), please consult your local FUJIFILM representative for alternative products. Your local FUJIFILM Europe representative can also give technical advice if required.

Availability

All products available now.

Product Summary: Standard version

Please see the table below for a summary of the 51 second products mentioned above :

Product Name : CPRA Developer Replenisher Kit AC

Catalogue Number : 970 632

Size : 4 x 10 L

Package : Bottles + carton

Product Name : EnviroPrint Developer Starter AC

Catalogue Number : 971 655

Size : 6 x 1 L concentrate

Package : Bottles + carton

Product Name : EnviroPrint Bleach-Fix 215 AC

Catalogue Number : 995 746

Size : 2 x 10 L

Package : Bottles + carton

Product Name : EnviroPrint Super Stabilizer & Replenisher AC

Catalogue Number : 990 630

Size : 2 x (10 x 10 L)

Package : Bottles + carton

Alternative Products for high volume throughput

Product Name : EnviroPrint Developer MP60AC

Catalogue Number : 994 343

Size : 4 x 10 L

Package : Bottles + carton

Product Name : EnviroPrint Bleach-Fix 70 AC

Catalogue Number : 995 670

Size : 2 x 10 L

Package : Bottles + carton

Product Summary: High speed version

Please see the table below for a summary of the 33 second products mentioned above :

Product Name : EnviroPrint Developer MP60AC

Catalogue Number : 994 343
Size : 4 x 10 L
Package Bottles + carton

Product Name : RA4 Quick Starter

Catalogue Number : 961 904
Size : 6 x 1 L concentrate
Package Bottles + carton

Product Name : EnviroPrint Bleach-Fix 70 AC

Catalogue Number : 995 670
Size : 2 x 10 L
Package Bottles + carton

Product Name : EnviroPrint Super Stabilizer & Replenisher AC

Catalogue Number : 990 630
Size : 2 x (10 x 10 L)
Package Bottles + carton

Alternative products for low throughput

Please discuss with your FUJIFILM representative if EnviroPrint Developer Replenisher MP60AC usage is below 5L / week. Higher replenishment rate products are available to ensure that you achieve optimum print quality from your Noritsu LPS-24 Pro minilab.

Mixing Instructions

51 seconds : CPRA Developer AC

CPRA Developer Replenisher AC, # 970 632						
To make 1 litre	Water	Part A	Part B	Part C	Replenisher	EnviroPrint Dev. Starter AC
TANK	875 ml	30 ml	15 ml	30 ml	/	50 ml
REPLENISHER	875 ml	50 ml	25 ml	50 ml	/	/
Tank from Repl	350 ml	/	/	/	600 ml	50 ml
To fill LPS-24 Pro						
TANK	9.9 L	340 ml	170 ml	340 ml	/	565 ml
Tank from Repl	4 L	/	/	/	6.8 L	565 ml
(11.3 litres)						
Concentrate :		3-part		To make : 4 x 10L		
Specifications :		Fresh Tank Solution		Replenisher		
		Density @ 20°C	pH @ 25°C	Density @ 20°C	pH @ 25°C	
		1.025 ± 0.003	10.20 ± 0.05	1.031 ± 0.003	10.60 ± 0.05	
Replenishment rate :		(suggested starting point)				
51 sec, 35.0°C		160 ml/m ²				

EnviroPrint Bleach-Fix Replenisher 215 AC, # 995 746				
To make 1 litre	Water	Part A	Part B	Replenisher
TANK	760 ml	120 ml	120 ml	/
REPLENISHER	760 ml	120 ml	120 ml	/
Tank from Repl	/	/	/	1000 ml
To fill LPS-24 Pro				
TANK	9 L	1450 ml	1450 ml	
Tank from Repl	4 L	/	/	
(11.9 litres)	/	/	/	11.9 L

EnviroPrint Bleach-Fix 215 AC, # 995 746

Concentrate : 2-part To make : 2 x 10L

Specifications :	Fresh Tank Solution		Replenisher	
	Density @ 20°C	pH @ 25°C	Density @ 20°C	pH @ 25°C
	1.067 ± 0.003	5.80 ± 0.05	1.067 ± 0.003	5.80 ± 0.05

Replenishment rate : (suggested starting point)

51 sec, 30~36°C 215 ml/m²

51 seconds : High volume minilabs

EnviroPrint Developer MP60AC, # 994 343

Concentrate : 4 x 2L To make : 4 x 10L

Mixing instructions :	Fresh Tank Solution		Replenisher	
	EP MP60AC	EP Developer Starter AC	EP MP60AC	water

To make 1 L

51 sec, 38.0°C 80 ml 120 ml 200 ml 800 ml

To fill LPS-24 Pro (11.3 L)

51 sec, 38.0°C 904 ml 1356 ml

Specifications :	Fresh Tank Solution		Replenisher	
	Density @ 20°C	pH @ 25°C	Density @ 20°C	pH @ 25°C
	1.031 ± 0.003	10.22 ± 0.05	1.037 ± 0.003	12.40 ± 0.05

Replenishment rate : (suggested starting point)

51 sec, 38.0°C 60 ml/m²

EnviroPrint Bleach-Fix Replenisher 70 AC, # 995 670				
To make 1 litre	Water	Part A	Part B	Replenisher
TANK	760 ml	120 ml	120 ml	/
REPLENISHER	600 ml	220 ml	180 ml	/
Tank from Repl	430 ml	/	/	570 ml
To fill LPS-24 Pro (11.9 L)				
TANK	9 L	1450 ml	1450 ml	
Tank from Repl	5.1 L	/	/	6.8 L
Concentrate :	2-part		To make : 2 x 10L	
Specifications :	Fresh Tank Solution		Replenisher	
	Density @ 20°C	pH @ 25°C	Density @ 20°C	pH @ 25°C
	1.067 ± 0.003	5.80 ± 0.20	1.118 ± 0.003	5.60 ± 0.20
Replenishment rate :	(suggested starting point)			
	51 sec, 30~36°C		70 ml/m ²	

Super Stabilizer for 51 + 33 second Processing

EnviroPrint Super Stabilizer, # 990 630		
Process conditions	Time	Temperature
	93 or 61 sec	35-38°C
Concentrate :	2 x 1L	To make : 2 x (10 x 10L)
Mixing instructions :	Fresh Tank Solution **	Replenisher
To make 1 L		
EnviroPrint Super Stabilizer	10 ml	10 ml
Water	990 ml	990 ml
Specifications :	Fresh Tank Solution	Replenisher
Density @ 20°C	No spec.	No spec.
pH @ 25°C	No spec.	No spec.
Replenishment rate :	300 ml/m ² (51 second); 350 ml/m ² (33 second)	

** Total Stabilizer tank volume = 22.8 L, 3 tanks in total

Mixing Instructions

33 seconds : High throughput

EnviroPrint Developer MP60AC, # 995 316

Concentrate : 4 x 2L To make : 4 x 10L

Mixing instructions :	Fresh Tank Solution		Replenisher	
	EP MP60AC	RA4 Quick Starter	EP MP60AC	Water

To make 1 L

33 sec, 39.0°C 100 ml 60 ml 200 ml 800 ml

To fill LPS-24 Pro (11.3 L)

33 sec, 39.0°C 1130 ml 678 ml

Specifications :	Fresh Tank Solution		Replenisher	
	Density @ 20°C	pH @ 25°C	Density @ 20°C	PH @ 25°C
	1.029 ± 0.003	10.10 ± 0.05	1.037 ± 0.003	12.40 ± 0.05

Replenishment rate : (suggested starting point)

33 sec, 39.0°C 75 ml/m²

EnviroPrint Bleach-Fix Replenisher 70 AC, # 995 670				
To make 1 litre	Water	Part A	Part B	Replenisher
TANK	760 ml	160 ml	160 ml	/
REPLENISHER	600 ml	220 ml	180 ml	/
Tank from Repl	250 ml	/	/	750 ml
To fill LPS-24 Pro (11.9 L)				
TANK	9 L	1450 ml	1450 ml	
Tank from Repl	3 L	/	/	8.9 L

EnviroPrint Bleach-Fix 70 AC, # 995 670

Concentrate : 2-part To make : 2 x 10L

Specifications :	Fresh Tank Solution		Replenisher	
	Density @ 20°C	pH @ 25°C	Density @ 20°C	PH @ 25°C
	1.072 ± 0.003	5.75 ± 0.20	1.118 ± 0.003	5.60 ± 0.20

(estimated values)

Replenishment rate : (suggested starting point)

33 sec, 36~40°C 90 ml/m²