

## CP-49LR PC Cartridge Replenisher

For Processing Fujicolor Papers in Frontier Minilabs

Catalog Number: 600004889 (125m<sup>2</sup>)**DESCRIPTION**

Developed for use with Fuji Frontier minilab 340, 550, 570 & 590. This product is a plug-in replenishment cartridge system that eliminates the need to mix processor replenisher chemicals. Each cartridge contains both developer and bleach fix and is designed to process 125 m<sup>2</sup> (square meters) of paper.

**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.

**Features and Uses**

Processes 125 M<sup>2</sup> of Crystal Archive Type II

- 12.6% more capacity than CP-49E

Lower Chemical Replenishment Rate

- Reduces Chemical waste by 11.1%

**HMIS INFORMATION**

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

	Concentrate			Working Tank	
	P1-R	P2-RA	P2-RB	P1	P2
<b>Health</b>	3	2	2	1	1
<b>Flammability</b>	0	0	0	1	1
<b>Reactivity</b>	0	0	0	0	0
<b>Personal Protection</b>	C	C	C	C	C

**MINIMUM USE RECOMMENDATIONS**

CP-49LR PC Cartridge is for use in Frontier Digital Minilabs having the average minimum print volumes indicated in the table below:

	4x6 Prints/Week (4x/ Prints/Day)	M <sup>2</sup> /Week (M <sup>2</sup> /Day)	Ft <sup>2</sup> /Week (Ft <sup>2</sup> /Day)
<b>Frontier 340</b>	3,774 (535)	58 (8.3)	624 (88.9)
<b>Frontier 500</b>	3,357 (480)	52 (7.4)	560 (44.7)
<b>Frontier 550, 570 &amp; 590</b>	5,875 (840)	91 (13)	979 (139.9)

If average minimum print volumes or equivalent area volumes can not be achieved it is recommended to use CP-49E PC Cartridges.

**SPECIFIC GRAVITY & pH**

	pH @ 25° C	SpG @ 25° C	SpG @ 38.5° C
<b>P1-R Replenisher</b>	12.65 ± 0.10	1.050 ± 0.005	1.044 ± 0.005
<b>P1 Fresh Tank</b>	10.25 ± 0.05	1.050 ± 0.005	1.044 ± 0.005
<b>P1 Seasoned Tank</b>	10.25 ± 0.05	1.055 ± 0.005	1.049 ± 0.005
<b>P2-RA Replenisher</b>	3.50 ± 0.10	1.120 ± 0.010	1.113 ± 0.010
<b>P2-RB Replenisher</b>	5.55 ± 0.10	1.210 ± 0.020	1.203 ± 0.020
<b>P2 Fresh Tank</b>	6.80 ± 0.30	1.080 ± 0.020	1.073 ± 0.020
<b>P2 Seasoned Tank</b>	6.05 ± 0.30	1.125 ± 0.020	1.120 ± 0.020

**SHELF LIFE**

	Concentrate			Working Tank	
	P1-R	P2-RA	P2-RB	P1	P2
<b>Time</b>	U= 24 Mo.	U= 24 Mo.	U= 24 Mo.	1 Week	1 Week
<b>Color</b>	Clear, Yellow	Clear, Dark Brown	Clear, Pale Yellow	Clear, Pale Yellow	Clear, Pale Yellow
<b>Odor</b>	No Odor	No Odor	Slight Ammonia	No Odor	Slight Ammonia

U = Unopened, O = Opened

The data contained in this photographic bulletin is believed to be true and accurate, but is offered solely for your consideration, investigation, and verification. Nothing herein shall be construed to be a warranty or guarantee by either FUJIFILM Hunt Chemicals, Inc. or any of its affiliates, and all such warranties, implied or otherwise, including any implied warranty of merchantability, are hereby expressly disclaimed. You, of course, are fully responsible for any use and / or domestic or foreign sale of the product(s) described, and nothing in this photographic bulletin shall be construed to constitute permission or a recommendation to practice any invention covered by patent or patent application or know-how owned by FUJIFILM, its affiliates, or others.

**CP-49LR PC Cartridge Replenisher**

**Catalog Number: 600004889 (125mls<sup>2</sup>)**

**OPERATING SPECIFICATIONS**

**Frontier 340**

<b>Temperature</b>	<b>P1</b>	42° C ± 0.3° C (107.6° F)
	<b>P2</b>	40° C ± 0.3° C (104° F)
	<b>P3</b>	40° C ± 0.3° C (104° F)
<b>Starting Replenishment Rate</b>	<b>P1</b>	40 ml/m <sup>2</sup>
	<b>P2</b>	31.1 ml/m <sup>2</sup>
	<b>P3</b>	215 ml/m <sup>2</sup>
<b>Processing Time</b>	<b>P1</b>	25"
	<b>P2</b>	25"
	<b>P3</b>	96"

**Frontier 500**

<b>Temperature</b>	<b>P1</b>	42° C ± 0.3° C (107.6° F)
	<b>P2</b>	40° C ± 0.3° C (104° F)
	<b>P3</b>	40° C ± 0.3° C (104° F)
<b>Starting Replenishment Rate</b>	<b>P1</b>	40 ml/m <sup>2</sup>
	<b>P2</b>	31.1 ml/m <sup>2</sup>
	<b>P3</b>	175 ml/m <sup>2</sup>
<b>Processing Time</b>	<b>P1</b>	23.4"
	<b>P2</b>	23.5"
	<b>P3</b>	96"

**Frontier 550/570590**

<b>Temperature</b>	<b>P1</b>	43° C ± 0.3° C (109.4° F)	
	<b>P2</b>	43° C ± 0.3° C (109.4° F)	
	<b>P3</b>	40° C ± 0.3° C (104° F)	
<b>Starting Replenishment Rate</b>		Crystal Archive Type II & Equivalent Papers	All Other Papers Including Fuji Professional Papers
	<b>P1</b>	40 ml/m <sup>2</sup>	42.8 ml/m <sup>2</sup>
	<b>P2</b>	31.1 ml/m <sup>2</sup>	33.3 ml/m <sup>2</sup>
	<b>P3</b>	175 ml/m <sup>2</sup>	215ml/2
<b>Processing Time</b>		Crystal Archive Type II & Equivalent Papers	All Other Papers Including Fuji Professional Papers
	<b>P1</b>	19"	26.4"
	<b>P2</b>	19"	26.6"
	<b>P3</b>	68"	95"

*\*When Pro Paper is in use the speed up kit cannot be used to its maximum capacity, Therefore the replenishment rates need to be higher and the times need to be longer than when Crystal Archive Type II paper is in use.*