

ILFOCOLOR E6 2.5L kit is a chemical processing kit (2.5L working solution) for color reversal films. Designed for rotary processing, reel tank and also deep tank processing. When processing film manually, best results can be achieved with precise temperature control and agitation.

The E6 Developing Kit is in a concentrated form to make a max of 2.5L working solution, allowing for processing of up to 40 rolls of film (135-36exp or 120 films). ILFOCOLOR E6 Kit achieves lower environmental load and provides excellent developing performance.

1. ILFOCOLOR E6 2.5L kit contents

Process	Chemical names	Bottles	Stock solution	Working solution	Capacity
First dev	R1 : FD	1	500ml x 1	For 2.5L	40rolls/ 135-36exp, 120
Reversal bath	R2 : RV	1	125ml x 1	For 2.5L	
Color dev	R3 : CD Part-A	1	500ml x 1	For 2.5L	
	R3 : CD Part-B	1	50ml x 1	For 2.5L	
Conditioner	R4 : CT	1	250ml x 1	For 2.5L	
Bleach	R5 : BL	1	1300ml x1	For 2.5L	
Fixer	R6 : FX	1	325ml x 1	For 2.5L	
Stabilizer	R7 : STB	1	25ml x1	For 2.5L	

- 2.5L of working solutions can be made by diluting the stock solutions above.
- It is possible to make the required amount of working solutions by measuring the necessary volume of stock solutions according to the amount of films to be processed.

Please note that

- The stock solution of R3: CD bottles are divided into Part-A and Part-B bottles. See precautions indicated on each label on bottles or packaging.

2. How to make working solutions

- Please measure the amount of water accurately and warm up water to 30±5°C before you dilute your stock solutions.
- If you need to store the working solution for a while, it should be placed in an airtight bottle to avoid oxidization.
- **DO NOT MIX THE CHEMICALS with each other** as toxic gas and heat may be generated.
- Appropriate results cannot be given even if a very small amount of other processing solution is contaminated into R1: FD or R3: CD solutions.

E6 2.5L

Manufactured by

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To make 2.5L working solutions

Process	Chemicals	Water	Part-A	Part-B	Total
First dev	R1 : FD	2000ml	+ 500ml	-	= 2500ml
Reversal bath	R2 : RV	2375ml	+ 125ml	-	= 2500ml
Color dev	R3 : CD	1950ml	+ 500ml	+ 50ml	= 2500ml
Conditioner	R4 : CT	2250ml	+ 250ml	-	= 2500ml
Bleach	R5 : BL	1200ml	+ 1300ml	-	= 2500ml
Fixer	R6 : FX	2175ml	+ 325ml	-	= 2500ml
Stabilizer	R7 : STB	2475ml	+ 25ml	-	= 2500ml

- First Dev: Pour 500ml (1 bottle) of R1: FD stock solution into 2000ml of water and stir it to be 2500ml of working solution.
- Reversal bath: Pour 125ml (1 bottle) of R2: RV stock solution into 2375ml of water and stir it to be 2500ml of working solution.
- Color Dev: Pour R3: CD Part-A 500ml (1bottle) into 1950ml of water and stir to be clear solution and then add R3: CD Part-B 50ml (1bottle) and stir it to be 2500ml of R3: CD working solution.
- Conditioner: Pour 250ml (1bottle) of R4: CT stock solution into 2250ml of water and stir it to be 2500ml of working solution.
- Bleach: Pour 1 bottle (1300ml) of R5: BL stock solution into 1200ml of water and stir it to be 2500ml of working solution.
- Fixer: Pour 325ml (1bottle) of R6: FX stock solution into 2175ml of water and stir it to be 2500ml of working solution.
- Stabilizer: Pour 25ml (1bottle) of R7: STB stock solution into 2475ml of water and softly stir it to be 2500ml of working solution.
- The working solution can be stored according to the instructions 4 below.

To make 1.25L of working solutions

Process	Chemicals	Water	Part-A	Part-B	Total
First dev	R1 : FD	1000ml +	250ml	-	= 1250ml
Reversal bath	R2 : RV	1187.5ml +	62.5ml	-	= 1250ml
Color dev	R3 : CD	975ml +	250ml +	25ml	= 1250ml
Conditioner	R4 : CT	1125ml +	125ml	-	= 1250ml
Bleach	R5 : BL	600ml +	650ml	-	= 1250ml
Fixer	R6 : FX	1087.5ml +	162.5ml	-	= 1250ml
Stabilizer	R7 : STB	1237.5ml +	12.5ml	-	= 1250ml

- Stock solution can be measured to make needed working solutions in accordance with amount of films to be processed.
- It is possible to process 20 rolls of films at most with using 1.25L of working solutions. The remained stock solutions can be stored in the original bottles.

To make 1L of working solutions

Process	Chemical	Water	Part-A	Part-B	Total
First dev	R1 : FD	800ml +	200ml	-	= 1000ml
Reversal bath	R2 : RV	950ml +	50ml	-	= 1000ml
Color dev	R3 : CD	780ml +	200ml +	20ml	= 1000ml
Conditioner	R4 : CT	900ml +	100ml	-	= 1000ml
Bleach	R5 : BL	480ml +	520ml	-	= 1000ml
Fixer	R6 : FX	870ml +	130ml	-	= 1000ml
Stabilizer	R7 : STB	990ml +	10ml	-	= 1000ml

- If a small amount of film is to be processed, it is possible to make a reduced amount of working solution.
- Example, the chart above shows how to make 1L of working solutions to process 16 rolls of film at most.
- If you want to process less films, the amount of water and stock solutions can be calculated accordingly, but please note the minimum amount of working solutions may be required depending on the processing methods you use.

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3. Processing condition (with 1L of working solution)

To avoid a temperature drop and prepare your film, you need to warm the tank up. Fill your tank, with the film inside, with 38°C water and leave for 5 minutes before starting to develop. After the 5 minutes, pour the water away.

Process	Chemicals	Temp. (°C)	Time and Amount to process 135-36exp · 120 films			
			1st Time	2nd Time	3rd Time	4th Time
			1~4 rolls	5~8 rolls	9~12 rolls	13~16 rolls
First dev	R1 : FD	38.0 ± 0.3	6'15"	6'30"	6'45"	7'00"
First Wash	Still water	38.0 ± 0.6	2'30"	2'30"	2'30"	2'30"
Reversal bath	R2 : RV	38.0 ± 0.6	2'00"	2'00"	2'00"	2'00"
Color dev	R3 : CD	38.0 ± 0.6	6'00"	7'00"	8'00"	9'00"
Conditioner	R4 : CT	36 ± 3	2'00"	2'00"	2'00"	2'00"
Bleach	R5 : BL	36 ± 3	6'00"	6'30"	7'00"	7'30"
Fixer	R6 : FX	36 ± 3	4'00"	4'00"	4'00"	4'00"
Second wash	Running water	24 - 41	3'00"	3'00"	3'00"	3'00"
Stabilizer	R7 : STB	24 - 41	1'00"	1'00"	1'00"	1'00"

- The chart above shows a guide of processing condition in case 1L of working solution is used to process films.
- The processing times changes in accordance with the amount of film to be processed in a working solution to be prepared.
It may be required to adjust the First Dev (R1: FD) time depending on the way of developing method. The films must be processed in complete darkness until the end of Reversal bath processing (R2: RV). The times indicated in the chart include 10 sec of the interval time while draining solutions between a process to next process.
- In case failure is found in the color balance, it may be suspected that small amount of other processing solution is contaminated into First Dev (R1: FD) or Color Dev (R3: CD).

4. Storage condition

Processing	Chemical	Stock solution in bottles opened once	Working solutions
First dev	R1 : FD	12 weeks	1 week
Reversal bath	R2 : RV	12 weeks	1 week
Color dev	R3 : CD	12 weeks	1 week
Conditioner	R4 : CT	12 weeks	1 week
Bleach	R5 : BL	24 weeks	24 weeks
Fixer	R6 : FX	24 weeks	24 weeks
Stabilizer	R7 : STB	24 weeks	24 weeks

Note: Once the original bottles are opened, please store the stock solutions in the original bottles in a dark and cool place.