www.bostick-sullivan.com (505) 474-0890

Pyrocat-HD Film Developer

In your Pyrocat-HD Kit:

Solution A:

Add distilled water to the neck of the bottle. Shake well and let stand 10 minutes before using.

Solution B:

Is sent in solution and is ready to use.

Pyrocat-HD is a semi-compensating, high-definition developer formulated by Sandy King as an alternative to PMK. The advantages over PMK that Mr. King cites for his formula include an approximately 1/3-stop greater effective film speed, 10-15% shorter development times, more consistent staining action, lower toxicity, and no streaking or mottling with reduced agitation. Other users have reported reduced printing times with UV light sources compared with PMK negatives (for alt process work) due to the different stain color, as well as reduced base plus fog density compared with PMK and Rollo Pyro negatives in rotary processors.

Sandy King's e	experiments	
bailey King se	on shoot film	
as he works pri	imarily in large	
format (4x5, 5)	x7,7x17, and	
12x20). His de	evelopment	
recommendation	ons are as	
follows:		
Sheet film in t	rays, normal	
agitation: stan	dard working	
solution, with a	agitation for 10	
seconds every	minute (or 5	
seconds twice	ninute (or 5	
	per minute),	
Sneet nim in t	rays, minimal	
agitation: stan	idard working	
solution, with a	agitation for 10	
seconds every	three minutes,	
70° F. Develor	pment times are	
annuarimataly	500% longor	

approximatery JU70 longer than for normal agitation. Sheet film in trays, semistand agitation: special working solution of 1 part A with 1 part B with 200-400 parts water. Agitation is for one minute at start of development, followed by 30 seconds at the half-way point. Development time for slow and medium-speed films is 40-50 minutes, 70° F. Development time for fast films is 50-60 minutes. Dichroic fog may result from extended development of high speed films. If this is a problem in your work use a 1:1: 200 dilution and reduce development to about 30 minutes. Sheet film in rotary processor, continuous agitation: use a minimum of 75 ml of the standard working solution per sheet of 4x5 film (or equivalent for larger formats). **Recommended developing** times for sheet film in rotary processor are as follows: FP4+ (EI 100) for 8 minutes, BPF-200 (EI 100) for 9 minutes, T-MAX 400 (EI 320) for 12 minutes, and HP5+ (EI 320) for 13 minutes, all at 70° F. Presoak film for two minutes. Use a plain water stop bath for one minute. Use an alkaline fixer (rapid fix without hardener) for 5 minutes. Wash in running water 10-15 minutes. The working solution can be made quite a bit more energetic (faster working) by

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doubling the amount of B
solution. For example, with a
1:1:100 dilution, Ilford FP4+
develops to a CI of .52 in 8
minutes. With a 1:2:100
dilution, development time to
the same CI is only 5:30.
This fact makes the 1:2:100
dilution very useful for zonal
expansion, especially for
negatives intended for use
with alternative processes.

Film	EI	70°	75°	80°
Ilford HP-5+	200	13 min	10 min	8 min
Kodak T-Max 100	64	14 min	11 min	9 min
Kodak T-Max 400	400	15 min	12 min	10 min
Kodak Verichrome Pan	125	9 min	7.5 min	6 min
	All the abo	ve times are for the 1:1:1	100 dilution.	