

## FILM PROCESSING CHART

20°C / 68°F TIME (mins):(secs)

(Temperature compensation table also available)























					US FP4 PLUS																																						
Developer	Dilution	on PANF PLUS		HP5 PLUS					DELTA 100 PROFESSIONAL			DELTA 400 PROFESSIONAL							DEI	LTA 3	3200 PROFESSIONAL				ORTHO PLUS		SFX 200			KENTMERE PAN 100			KENTMERE PAN 200			KENTMERE PAN 400							
		EI	25	50	50	125	200	200	250	320	400	800	1600 3200	50	100	200	200	250	320	400	500	800 1	600 3	200	400	800	1600	3200	6400	12500	80 (DAYLIGHT) 40 (TUNGSTEN)	200	400	800	50	100	200	100	200	400	320	400	800
LFOTEC DD-X	1+4		7:00	8:00	8:00	10:00	12:00				9:00	10:00	13:00 20:0	00:8	10:3	0 12:30	6:00			8:00	9:30	10:30 1	3:30 1	3:00 6	6:00	7:00	8:00	9:30	12:30	17:00	10:30	10:00	14:00	)	8:30	10:30	12:30	7:00	9:00	12:30		11:30	13:00
	1+9					4:00	5:00				3:30	5:00	7:30 11:0	O					4:00			5:30 7	:30 1	3:00			5:00	8:00	13:00		4:00	5:00	7:00	10:30	,	4:00	5:00		4:00	4:45		4:30	6:30
	1+19			4:00	6:00	8:00	9:00				6:30	9:30	14:00	5:00	6:00	8:00	5:00			7:30		10:00 1	3:30	6	3:00	7:30	9:00	14:30			6:00	9:00	13:00	0 19:00	5:30	7:00	8:00	4:45	6:00	7:30		8:00	12:30
	1+29			5:30	8:00	12:00					9:00			5:30	7:30	10:00	8:30			11:30		17:00										11:00	)		7:30	11:00	,	7:00	10:30	)		11:00	
ILFOTEC HC	1+15					4:00	5:00				3:30	5:00	7:30 11:0	O					4:00			5:30 7	:30 1	3:00			5:00	8:00	13:00		4:00	5:00	7:00	10:30	,	4:00	5:00		4:00	7:30		4:30	6:30
	1+31			4:00	6:00	8:00	9:00				6:30	9:30	14:00	5:00	6:00	8:00	5:00			7:30		10:00 1	3:30	6	3:00	7:30	9:00	14:30			6:00	9:00	13:00	0 19:00	5:00	6:30	8:00	4:45	6:00	10:00		8:00	12:30
ILFOSOL 3	1+9					4:15		5:00			6:30	13:30			5:00	)	5:30			7:00		14:00		6	3:00	7:30	10:00	11:00	18:00		5:00	6:00	8:30			5:00			5:30			6:30	15:00
	1+14			4:30		7:30		7:00			11:00	19:30			7:30	)	8:00			12:00		20:30		1	1:00	13:00	15:30	17:00	23:00		7:00	9:00	13:30	)		7:30		4:30	7:30			11:00	25:00
<b>ID11</b> 1-	Stock		4:30	6:30	6:30	8:30	10:00				7:30	10:30	14:00	7:00	8:30	10:30	7:00			9:30		11:30 1	4:30 1	9:00 7	7:00	8:00	9:30	10:30	13:00	17:00	8:00	10:00	14:00	0 18:00	7:00	9:00	11:00	5:00	7:30			9:30	13:00
	1+1		6:00	8:30	8:00	11:00	15:00				13:00	16:30		10:0	0 11:0	0 13:00	10:00			14:00		17:30									10:30	17:00	)		8:30	11:30	15:30	6:00	8:45			16:30	20:30
	1+3		12:30	15:00	17:00	20:00					20:00			15:0	0 20:0	0	18:00														16:00				17:30	21:00	,	12:30	,			25:30	
<b>MICROPHEN</b> 1	Stock			4:30		8:00	9:00				6:30	8:00	11:00 16:0	0	6:30	8:00	5:00			6:30	7:30	8:30 1	0:30 1	4:00 6	3:00	7:00	8:00	9:00	12:00	16:30	9:00	8:30	10:30	0 14:30	)	8:30	9:00		5:30	8:00		8:00	10:00
	1+1			6:00		10:00	14:00				12:00	15:00			10:0	0 14:00	8:30			11:30	13:30	15:30 1	9:00								11:30	15:30	19:00	)		10:30	14:00	,	7:00	10:00		15:00	19:00
	1+3			11:00		14:00	18:00				23:00				14:0	0 20:00	16:00														13:30					14:30	,		9:45				
PERCEPTOL	Stock		9:00	14:00	9:00	12:00			13:00					12:0	0 15:0	0	10:00	12:00						1	1:00	13:00	15:00	18:00			13:00	14:30	)		9:30	12:30	,	10:00	13:00	)			
	1+1		10:30	15:00	13:00	15:00				18:00				13:0	0 17:0	0	12:30		15:30													20:00			13:30	15:30		14:00	16:00	)	23:00		
	1+3		15:00	17:00	17:00	21:00				25:00				16:0	0 22:0	0	18:30																										

CAUTION:

These times are intended as a guide only. Times shorter than 5 minutes may lead to uneven development

For manual processing in spiral tanks and deep tanks, the development times are based on intermittent agitation. With spiral tanks, invert the first 10 seconds, then invert a further 4 times during the first 10 seconds for each further **AGITATION:** minute. Where continuous agitation is used for manual processing (as in a dish/tray or with some types of developing tank), reduce these times by up to 15%. For use in rotary processors without a pre-rinse, reduce the spiral tank development times by up to

**FIXATION:** 

After development, rinse the film in water or ILFORD ILFOSTOP (1+19) for 10-30 seconds at 20°C/68°F and then fix in RAPID FIXER or HYPAM (1+4) for 2-5 minutes at 20°C/68°F.

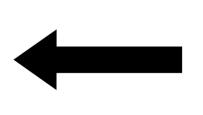
**WASHING:** 

Where a non-hardening fixer such as RAPID FIXER or HYPAM has been used, wash the film in running water for 5-10 minutes at a temperature within 5°C/9°F of the processing temperature. To aid rapid, even drying, after washing fill the tank with water and add ILFORD ILFOTOL Wetting Agent (1+200) and give the tank a final 5 inversions.



CHECK OUT OUR LEARNING ZONE!





Our XP2 SUPER film is designed to be processed using C41 chemicals, typically used for colour film.

