

Hydrofen Guide Sheet

Hydrofen is BelliniFoto's reformulation of a classic and much-loved film developer also known as Studional, it is used in the exact same way and has been consistent in delivering superb results.

It's hydroquinone and phenidone base delivers to you a fine grain developer that delivers a huge tonal range with lively contrast.

Originally, this Agfa formula was intended to be diluted 1 to 15 for use in machine processing. For us however, although it can be used at that dilution, we recommend the more dilute solutions ie 1+39.

The development chart overleaf may seem a little sparse at present but we are gradually experimenting with more films and will be adding as many times to it as possible. There will also be more to be found online we are sure and will welcome any additions that have been found to produce the superb results it is capable of.

Please be aware that any development times shown in grey are not from the factory, they are times harvested from The Massive Dev Chart's old Studional table and we have not yet had the time to work through to confirm how good they are...perhaps you can help us? 😊

Mixing and storage: Store in a sealed bottle in cool conditions. The solution may slightly darken over time but that is nothing to worry about. Shelf life unopened will be up to two years but about six months in an air tight bottle. We recommend one of our 10ml measuring syringes for accurate mixing.

Disposal: Please consult your local authority for advice on disposal of photographic chemistry...everywhere has a different procedure and different facilities!

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 **BelliniFoto**
Photographic Chemicals

Safety & Handling: Always refer to MSDS or contact BELLINI FOTO S.r.l. at e-mail: info@bellinifoto.it Tel: +39 075 985 174 or Nik & Trick Photo Services e-mail: info@NTphotoworks.com Tel: +44 1303 487156

Handle with care, KEEP IT AWAY FROM CHILDREN and follow safety and handling instructions using all the usual precautions and common sense when handling photographic chemistry, gloves, glasses etc. If this chemistry comes into contact with skin, rinse straight away under running water, if it gets into eyes then flush immediately with clean water and call for medical assistance for a precautionary check. Naturally, do not drink it, if it is by chance swallowed then induce vomiting and call for medical help.

Development Times

Times in bold are confirmed by us, in black, customer times, in grey unconfirmed

Film	asa	Dilutions	Time	Temp
Agfa Copex	12	1+45	7.00'	24c
Fuji RDS 4791				
Fuji Acros 100	100	1+39	6.00'	20c
Fuji Acros 100 (High Contrast)	200	1+39	7' 30"	20c
Fomapan 100	100	1+31	10.00'	20c
Fomapan 200	200	1+31	12.00'	20c
Fomapan 400	400	1.39	6'30"	20c
Fomapan 400	800	1+30	18.00'	20c
Ilford PAN100	100	1+39	5'10"	20c
Ilford FP4+	125	1+39	5.10'	20c
Ilford FP4+	250	1+39	6'30"	20c
Ilford FP4+	400	1+39	8.00'	20c
Ilford HP5+	200	1+39	4.00'	20c
Ilford HP5+	400	1+39	5'15"	20c
Ilford HP5+	800	1+39	8.00'	20c
Ilford HP5+	1600	1+39	12'30"	20c
Ilford PAN400	400	1+39	5'00"	20c
Ilford Delta 100	160	1+15	3'30"	20c
Ilford Delta 100	100	1+39	TBA	20c
Ilford Delta 400	200	1+39	9' 15"	20c
Ilford Delta 400	400	1+15	4'30"	20c
Ilford Delta 3200	1250	1+15	6.00'	20c
Ilford Delta 3200	3200	1+19	8.00'	20c
Ilford Delta 3200	6400	1+39	18' 30"	20c
Ilford SFX	125	1+15	4.00'	20c
JCH Street Pan	400	1+13	17.00'	20c
Kodak Double-X	250	1+39	5.15"	20c
Kodak Double-X	400	1+39	6'30"	20c
Kodak Tri-X	200	1+39	4'30"	20c
Kodak Tri-X	400	1+39	6.00'	20c
Kodak Tri-X	800	1+39	8.00'	20c
Kodak Tri-X	1600	1+39	12'30"	20c
Kodak Tmax 100	50	1+39	4'30"	20c
Kodak Tmax 100	100	1+39	6.00'	20c
Kodak Tmax 100	200	1+39	9.00'	20c
Kodak Tmax 400	200	1+39	4'30"	20c
Kodak Tmax 400	400	1+39	6'30"	20C
Kodak Tmax 400	800	1+39	9.00'	20C
Kodak Tmax 400	1600	1+39	12'30"	20C
Kodak Tmax 3200	1250	1+15	6.00'	20c
Lomography Potsdam	100	1+39	5'00"	20c
Orwo UN54	100/125	1+39	5'00" – 5'15"	20c
Orwo N75	320/400	1+39	6.00'	20c
Rollei Retro 400s	250	1+32	17.00'	20c
Rollei Retro 400s	400	1+15	8'30"	20c
Rollei Retro 80s	64	1+31	8.00'	20c
Rollei RPX 25	25	1+31	7.00'	20c
Rollei RPX100	100	1+59	4'30"	20c
Rollei RPX100 (with prebath)	100	1+39	3'30"	20c
Rollei RPX100 (High Contrast)	200	1+39	4.00'	20c
Rollei RPX 400	100	1+39	4'30"	20c
Rollei RPX 400	200	1+39	6'30"	20c
Rollei RPX 400	400	1+39	9'30"	20c
Rollei Superpan	200	1+15	4.00'	20c
Rollei Superpan	160	1+31	13'00"	20c
Shanghai GP3	100	1+39	5'00"	20c
Washi Film D	500	1+15	3'30"	20c
Films that we want to establish development times for follow:				
Kodak Double-X	800			
Orwo UN54	160,200			
Adox Scala 160	200			
Adox HP-50	50			