

D61a 'KODAK' negative developer powder

A very clean-working, medium-contrast developer, giving excellent results with general-purpose negative materials. Suitable either for dish use or, at greater dilution, for tank use. A prepared replenisher is available if desired, and its employment gives very economical working when a tank is maintained in use. This developer is recommended for general use with plates and sheet film.

MIXING: Dissolve the contents of the smaller unit in a quantity of water at 90°–100°F (32°–38°C), equal to approximately three-quarters of the final volume of liquid specified on the tin. When completely dissolved, stir in the contents of the larger unit. When all the chemicals are dissolved, make up to the final volume with cold water and stir thoroughly.

NEVER use boiling water for mixing solutions.

CONTAINERS: Glazed stoneware, glass, stainless steel or unchipped enamelled containers are recommended for mixing and storing developing solutions. Never use aluminium, tin, copper or galvanized ware.

STORAGE: A freshly made solution of D.61a Developer should remain in good condition for several months provided that it is kept in tightly stoppered bottles, filled to the neck. Developer in tanks should be protected with floating lids to prevent aerial oxidation and contamination.

DEVELOPMENT: Suitable development times for dish development at 68°F and a dilution of 1 + 1 are given overleaf, also for tank development at a dilution of 1 + 3 over a range of temperatures; 68°F is the preferred working temperature. Some of the development times are rounded off to a close approximation only. The suggested times are suitable for normal contrast negatives (approximate gamma 0.8). They may be adjusted to suit individual standards and methods of working, and the paper and type of enlarger used in making the final print.

REPLENISHMENT: The rate of development and film speed of D.61a can be maintained by the regular addition of D.61aR 'Kodak' Replenisher. D.61aR 'Kodak' Replenisher Powder is available in tins to make 2 x 80 fl. oz (2.25 litres) of replenisher.

D61a

DEVELOPMENT TIMES IN MINUTES FOR GAMMA 0.8

SENSITIZED MATERIAL	Diluted 1+1 Continuous Agitation	Diluted 1+3 Intermittent Agitation (Brief but thorough agitation once per min.)			
	68°F (20°C)	65°F (18°C)	68°F (20°C)	70°F (21°C)	75°F (24°C)
Sheet Films					
'Panchro-Royal'	5	12	10	9	6
'Super-XX'	5½	13	11	9½	6½
'Plus-X'	6	14	11½	10	7
'Ortho-X'	6½	17	14	12	8½
Commercial Ortho	5	11½	9½	8½	5¾
Commercial Fine Grain	2	4¾	3¾	3¾	2¼
Plates					
P.2000	10	24-29	20-24	18-21	12-15
P.1600	4	10	8	7	5
P.1200*	3½	10	8	7	5
P.300*	2½	9	7½	6½	4½
O.800	3¾	11	9	8	5½
O.250	2½	5½	4½	4	2¾
B.60	2¼	5	4	3½	2½
B.40	2	—	—	—	—
IR.ER	2½	—	—	—	—
Roll Films					
'Tri-X'	8	21	17	15	10½
'Verichrome' Pan	3	8½	7	6	4¼
'Panatomic-X'(brown & white sealing band)	7	19	16	14	9½

*For exposures in the region of 60 seconds the development times for these two plates will be approximately half the times quoted.

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