

**Modified from Patrick Gainer's formulas** [see [web site](#)]

10/9/2002

I have no idea of the keeping properties of these developers once they are mixed up, but they are so easy to mix that there is really no excuse not to mix fresh.

**CHEMICALS:** all are available from the [Photographers Formulary](#)Sodium Metaborate \* 8H<sub>2</sub>O [a.k.a. Kodalk]

Ascorbic Acid [NOT the sodium salt!] [can get at health food stores also, NOW brand is good]

1% Phenidone dissolved in alcohol [either denatured or 90+% isopropyl, KEEP AIR OUT, top off with "dust-off" to replace oxygen in air]

Potassium Bromide

**FILM:** [CHANGED 10/9/2002, gives more consistant results and better shadow detail]

Deionized water	1 liter	500 ml	250 ml
Sodium metaborate	8 g	4 g	2 g
Ascorbic Acid	2 g	1 g	0.5 g
1% phenidone	10 ml	5ml	2.5ml

Develop using the times for D-76 [35mm Tri-X = 8 minutes @ 68F]

**PAPER:** [~3x above][CHANGED 10/9/2002]

Deionized water	1 liter	500 ml	250 ml
Sodium metaborate	24 g	12 g	6 g
Ascorbic Acid	6 g	3 g	1.5 g
Potassium Bromide	0.5 g	0.25 g	0.125 g
1% phenidone	32 ml	16 ml	8 ml

Develop for 3 minutes @ 68F