

Film Negative Processing

Signal chat:

[https://signal.group/#CjQKIHHnsQAZbMd9t4TxumxNguOwY8Pckc5wvTLpSRjiPekEhBBZxKZvAOHU
Esqgp912fH6](https://signal.group/#CjQKIHHnsQAZbMd9t4TxumxNguOwY8Pckc5wvTLpSRjiPekEhBBZxKZvAOHU
Esqgp912fH6)

- [Negative Processing Chemistry Research & Recipes](#)
- [Negative Drying Cabinet](#)

Negative Processing Chemistry Research & Recipes

Some links to lower-toxicity recipes for dev/stop/fix, with some price and source exploration:

Chems

Sodium thiosulfate (pentahydrate/crystalline) - [FIX]

400g - \$37 - [etsy](#) - \$0.0925/g

113g - \$7 - [ebay](#) - 113g - \$0.0619/g

2500g - \$50 - [ebay](#) - \$0.0200/g

1360g - \$55 - [ebay](#) - \$0.0404/g

1360g - \$50 - [ebay](#) - \$0.0368/g

450g - \$15 - [ebay](#) - \$0.0333/g

Sodium sulfite (anhydrous) - [FIX]

30g - \$40 - [ebay](#) - \$1.33/g

500g - \$150 - [ebay](#) - \$0.30/g

500g - \$50 - [ebay](#) - \$0.10/g

450g - \$30 - [ebay](#) - \$0.07/g

450g - \$23 - [ebay](#) - \$0.05/g

225g - \$16 - [ebay](#) - \$0.07/g

450g - \$14 - [ebay](#) - \$0.03/g

100g - \$10 - [ebay](#) - \$0.10/g

Ascorbic Acid [DEV]

225g - \$13 - [ebay](#) - \$0.057/g
1000g - \$40 - [ebay](#) - \$0.040/g
500g - \$23 - [ebay](#) - \$0.046/g
450g - \$35 - [ebay](#) - \$0.077/g
225g - \$17 - [ebay](#) - \$0.075/g
450g - \$20 - [ebay](#) - \$0.044/g
900g - \$30 - [ebay](#) - \$0.033/g

Sodium Carbonate [DEV]

500g - \$40 - [ebay](#) - \$0.080/g
680g - \$37 - [ebay](#) - \$0.054/g
1000g - \$30 - [ebay](#) - \$0.030/g
100g - \$5 - [ebay](#) - \$0.050/g
500g - \$12 - [ebay](#) - \$0.024/g

Developer

Caffenol

<https://petapixel.com/caffenol-developing-film-with-coffee/>

<https://www.35mmc.com/18/08/2020/polyphenol-developer-alternatives-a-world-full-of-options-by-daniel-keating/>

Possibly with espresso given that we have coffee roasting and an espresso machine?

Stop

Fixer

Kodak F-24 based recipe

- Sodium thiosulfate (pentahydrate/crystalline): 240g
- Sodium sulfite (anhydrous): 15g
 - preservative, keeps the bath from oxidizing/degrading between uses
- Water (warm, ~40°C to help dissolution) to make 1L total

Equipment

- ☐ Changing bag
- ☐ Measuring stuff
 - ☒ 1x 250ml graduated cylinder
 - ☐ scale
- ☐ PPE
 - ☒ Apron from basement
 - ☒ Goggles
 - ☒ Nitrile gloves from basement
- ☐ Tanks
 - ☒ 3x 2-reel 35mm steel
 - ☒ 3x 1-reel 35mm steel
- ☐ Reels
 - ☒ ?x 35mm steel
 - ☒ 2x 16mm steel
 - ☐ 120/220
- ☐ Thermometer

Negative Drying Cabinet

(Can be used for drying other stuff too, esp. if further modified)

Initial Build

Started by finding a wooden cabinet on the street.

Removed a bunch of weird stuff attached too it, painted with coat of oil-based white paint.

Attached a tiny set of casters.

Tacked a strip of thin hook velcro to cabinet lip.

Glued wide soft velcro to vinyl sheet.

Taped to a metal tube to wrap/roll up front door.

Added wooden cross-supports to help keep vinyl from "collapsing" as much when opening/closing.

Attached printed hooks to hold ends of metal roll-tube.

Trimmed down some found tent-poles to interior cabinet width

Attached printed "comb" to hold cross-bars.

Currently

It's *ok*

- Not the greatest seal
- Not the easiest to open/close











