

## Historical Pyro Developer Formulas

The following are from the 1919 edition of the *British Journal of Photography Almanac*

Note that the Sodium Sulfite specified is crystalline. When anhydrous or desiccated sulfite is used it one half the amount shown should be used.

In most British formulas carbonate is also crystalline. To use anhydrous carbonate use 37%, for monohydrated carbonate use 43%.

### Pyro-Acetone

#### Solution A

Pyro	100.0 grams
Sodium Sulfite	400.0 grams
Water to make	1.0 liter

Normal developer consists of:

Solution A	80.0 ml
Acetone	80.0 ml
Water to make	1.0 liter

Note: This developer was designed for use with glass plates and should not be used for film since the Acetone is a solvent for most film base.

### Pyro-Ammonia

#### Solution A

Potassium metabisulfite	100.0 grams
(or Sodium sulfite)	400.0 grams)
Water to make	1.0 liter

#### Solution B

Potassium bromide	100.0 grams
Water to make	1.0 liter

#### Solution C

Ammonia (Ammonium hydroxide) 0.880 sg	100.0 ml
Water to make	1.0 liter

For use take 2 parts A, 1 part B, 3 parts C, and add water to 50 parts total.

## British Journal Pyro-Soda

### Solution A

Neutral Sulfite Solution (see below)	700.0 ml
Pyro	18.0 grams
Water to make	1.0 liter

### Solution B

Sodium carbonate	200.0 grams
Water to make	1.0 liter

### Neutral Sulfite Solution

Sodium sulfite, crystalline	200.0 grams
Potassium metabisulfite	25.0 grams
Water to make	1.0 liter

For greatest life the neutral sulfite solution should be boiled.

For use take A, 1 part: B, 1 part: Water, 2 parts.

This developer produces images free of Pyro stain.

## Pyro-Caustic Soda (Valenta)

### Solution A

Pyro	25.0 grams
Sodium sulfite	162.5 grams
Water to make	1.0 liter

### Solution B

Sodium hydroxide	8.5 grams
(or Potassium Hydroxide)	(11.5 grams)
Water to make	1.0 liter

For use take 1 part A, 1 part B, and add 1 part water.

Pyro-Metol

Solution A

Pyro	9.2 grams
Metol	8.0 grams
Potassium metabisulfite	20.0 grams
Potassium bromide	3.5 grams
Water to make	1.0 liter

Solution B

Sodium carbonate	150.0 grams
Water to make	1.0 liter

For use take, 1 part A and 1 part B without dilution.

Pyro-Metol-Hydroquinone from B-J Almanac 1940

Solution A

Metol	4.6 grams
Pyro	30.0 grams
Hydroquinone	30.0 grams
Sodium sulfite, crystals	148.0 grams
Citric Acid	9.0 grams
Potassium bromide	4.6 grams
Water to make	1.0 liter

Solution B

Sodium carbonate, crystalline	148.0 grams
Water to make	1.0 liter

For use take A, 1 part: B, 1 part: Water 2 parts.

The contrast can be lowered by varying the water from 4 to 6 parts.

This developer is non-staining.