
WET PLATE FORMULA

Silver Nitrate (9% Solution)

90g Silver Nitrate : 1000ml Distilled Water (45g per 500ml)
Mix well to dissolve all crystals

Specific Gravity 70% (1.07) if too high add distilled water, if too low add crystals.
PH 4 (if PH rises towards 5, add a few drops of nitric acid to lower)

A 'new' salt bath needs to be 'excited' before use....flow a glass plate and leave it in solution overnight before using.

Collodion

Iodizer: Add chemicals in order....use all of ether in one mixing to ensure no problems with storage, so buy only what you intend to use.

1	Ether	100ml	250ml	500ml	Part A
2	Denatured Alcohol	100ml	250ml	500ml	
3	Distilled Water	2ml	3ml	3ml	Part B
4	Cadmium Bromide	1.9g	4.75g	9.5g	
5	Ammonium Iodide	2.5g	6.25g	12.5g	

Mix Part A with Part B to make 200ml, 500ml or 1000ml of iodizer.

Mix 1 part USP collodion : 1.33 parts Iodizer to make working solution.

To Make	100ml	150ml	200ml
USP	43	64	86
Iodizer	57	85	114

Let it stand for 2hrs before use. Liquid should be clear light amber colour.

Developer

To Make	250ml	500ml	1000ml
Ferrous Sulfate	10g	20g	40g
Denatured Alcohol	10ml	20ml	40ml
Glacial Acetic Acid	7.5ml	15ml	30ml
Distilled Water	232ml	465ml	930ml

Mix the Ferrous Sulfate with 200ml distilled water then add denatured alcohol and acetic acid. Mix well and top off with remaining distilled water.

Fixer (Hypo 30% solution)

To Make	500ml	1000ml
Sodium Thiosulphate	150g	300g
Distilled Water	500ml	1000ml

Mix Sodium Thiosulfate with half of the distilled water in a bottle and shake until dissolved. Top up with remaining distilled water and is ready to use.

Glass Plate Cleaner (for Ambrotypes)

Find a suitable container and mix:

20g Calcium Carbonate

100ml Distilled Water

100ml Denatured Alcohol

Shake well each time so all parts are well mixed as solids will settle between uses.

Albumen (for Ambrotypes)

Find a suitable container and mix:

1 egg white and 300ml Distilled Water

Mix well by shaking and then skim off the froth!

Filter into clean container – ready to use.