

## ANSCO 42 • M-H TANK DEVELOPER

This is a soft-working tank formula recommended for pack, roll and portrait films.

	<i>Metric</i>	<i>Avoirdupois</i>	
Hot Water (125 F or 52 C).....	750 cc.	24 ounces	3 quarts
Metol.....	.8 gram	12 grains	47 grains
Sodium Sulfite, anhydrous.....	45 grams	1½ ounces	6 ounces
Hydroquinone.....	1.2 grams	18 grains	70 grains
Sodium Carbonate, monohydrated.....	8 grams	¼ oz. 8 gr.	1 oz. 30 gr.
Potassium Metabisulfite.....	4 grams	59 grains	½ oz. 15 gr.
Potassium Bromide.....	1.5 grams	22 grains	88 grains
Water to make.....	1 liter	32 ounces	1 gallon

Do not dilute for use.

Develop 15 to 20 minutes at 68 F (20 C).

## ANSCO 45 • PYRO DEVELOPER

This formula is recommended for those users of Ansco film who prefer pyro development. Stock solutions should be kept in stoppered bottles.

	<i>Metric</i>	<i>Avoirdupois</i>	
<i>Solution 1</i>			
Sodium Bisulfite.....	9.8 grams	¼ oz. 35 gr.	1¼ oz. 25 gr.
Pyro.....	60 grams	2 ounces	8 ounces
Potassium Bromide.....	1.1 grams	16 grains	64 grains
Water to make.....	1 liter	32 ounces	1 gallon
<i>Solution 2</i>			
Sodium Sulfite, anhydrous.....	105 grams	3½ ounces	14 ounces
Water to make.....	1 liter	32 ounces	1 gallon
<i>Solution 3</i>			
Sodium Carbonate, monohydrated.....	85 grams	2¾ oz. 40 gr.	11 ounces
Water to make.....	1 liter	32 ounces	1 gallon

TANK DEVELOPMENT: Take one part each Solutions 1, 2, 3 and add 11 parts water. Normal developing time, from 9 to 12 minutes at 68 F (20 C). TRAY DEVELOPMENT: Take 1 part each Solutions 1, 2, 3 and add 7 parts water. Normal developing time, from 6 to 8 minutes at 68 F (20 C). Solutions will keep well when stored separately but final developer should be used immediately after mixing.

## ANSCO 47 • METOL-HYDROQUINONE DEVELOPER

This is a long-life, clean-working formula which will give excellent results as a standard film developer for either tray or tank development.

	<i>Metric</i>	<i>Avoirdupois</i>	
Hot Water (125 F or 52 C).....	750 cc.	3 quarts	2½ gallons
Metol.....	1.5 grams	88 grains	½ oz. 90 gr.
Sodium Sulfite, anhydrous.....	45 grams	6 ounces	1 lb. 5 oz.
Sodium Bisulfite.....	1 gram	60 grains	½ ounce
Hydroquinone.....	3 grams	¼ oz. 65 gr.	1¼ oz. 65 gr.

Sodium Carbonate, monohydrated.....	6 grams	¾ oz. 25 gr.	2¾ ounces
Potassium Bromide.....	.8 gram	47 grains	¼ oz. 55 gr.
Water to make.....	1 liter	1 gallon	3½ gallons

Do not dilute for use.\*

TANK DEVELOPMENT: Normal developing time, 6 to 8 minutes at 68 F (20 C) with occasional agitation. TRAY DEVELOPMENT: Normal developing time, 5 to 7 minutes at 68 F (20 C).

\*For longer developing times with tank development, dilute one part developing solution with one part water and develop 12 to 16 minutes at 68 F (20 C).

## ANSCO 47A REPLENISHER

Add ¾ ounce of replenisher to Ansco 47 for each roll of 120 film (or equivalent) developed. Maintain original volume of developer, discarding if necessary some used developer. No increase in original developing time is necessary when replenisher is used in this manner.

	<i>Metric</i>	<i>Avoirdupois</i>	
Hot Water (125 F or 52 C).....	750 cc.	24 ounces	3 quarts
Metol.....	3 grams	44 grains	¼ oz. 65 gr.
Sodium Sulfite, anhydrous.....	45 grams	1½ ounces	6 ounces
Sodium Bisulfite.....	2 grams	29 grains	¼ oz. 8 gr.
Hydroquinone.....	6 grams	88 grains	¾ oz. 20 gr.
Sodium Carbonate, monohydrated.....	12 grams	¼ oz. 65 gr.	1½ oz. 45 gr.
Water to make.....	1 liter	32 ounces	1 gallon

## ANSCO 48M • METABORATE DEVELOPER

This formula is recommended for photofinishing, professional, and amateur film development and is suitable for deep tank use over a long period of time.

	<i>Metric</i>	<i>Avoirdupois</i>	
Hot Water (125 F or 52 C).....	750 cc.	3 quarts	2½ gallons
Metol.....	2 grams	¼ oz. 8 gr.	¾ oz. 80 gr.
Sodium Sulfite, anhydrous.....	40 grams	5¼ oz. 50 gr.	1 lb. 2¾ oz.
Hydroquinone.....	1.5 grams	88 grains	½ oz. 90 gr.
Sodium Metaborate.....	10 grams	1¼ oz. 40 gr.	4¾ ounces
Potassium Bromide.....	.5 gram	30 grains	¼ ounce
Water to make.....	1 liter	1 gallon	3½ gallons

Do not dilute for use.

TANK DEVELOPMENT: Normal developing time 5 to 7 minutes at 68 F (20 C).

TRAY DEVELOPMENT: Normal developing time 4 to 6 minutes at 68 F (20 C).

These developing times apply to Ansco portrait, press and commercial films and to all Ansco roll and pack films.