ANSCO 17M • FINE-GRAIN METABORATE TANK DEVELOPER

This formula is similar to Ansco 17 but due to the use of sodium metaborate as an alkali, permits greater variation in developing time.

	Metric	*Avoirdupois*	
Hot Water (125 F or 52 C)	750 cc.	24 ounces	3 quarts
Metol	1.5 grams	22 grains	88 grains
Sodium Sulfite, anhydrous	80 grams	2½ oz. 80 gr.	10¾ ounces
Hydroquinone	3 grams	44 grains	¼ oz. 65 gr.
Sodium Metaborate	2 grams	29 grains	¼ oz. 8 gr.
Potassium Bromide	.5 gram	7½ grains	29 grains
Water to make	1 liter	32 ounces	1 gallon

Do not dilute for use.

Developing time at 68 F (20 C), 10 to 15 minutes for fine-grain films.

Larger amounts of metaborate may be used with corresponding reduction of developing time (up to 10 grams of metaborate per liter with a developing time of 5 minutes at 68 F) although slightly coarser grain size will then be obtained.

ANSCO 17M REPLENISHER

Add ¾ ounce of replenisher to Ansco 17M for each roll of 120 film or 36-exposure 35 mm film (or equivalent) developed. Maintain original volume of developer, discarding if necessary some used developer. No increase in original developing time necessary when replenisher is used in this manner.

	Metric	*Avoirdupois*	
Hot Water (125 F or 52 C)	750 cc.	24 ounces	3 quarts
Metol	2.2 grams	32 grains	¼ oz. 20 gr.
Sodium Sulfite, anhydrous	80 grams	2½ oz. 80 gr.	10¾ ounces
Hydroquinone	4.5 grams	66 grains	½ oz. 45 gr.
Sodium Metaborate	8 grams	¼ oz. 8 gr.	1 oz. 30 gr.
Water to make	1 liter	32 ounces	1 gallon

ANSCO 20 • M-H POSITIVE DEVELOPER

This clean-working developer is recommended for normal contrast with tray or tank development of positive film.

	Metric	*Avoirdupois*	
Hot Water (125 F or 52 C)	750 cc.	24 ounces	3 quarts
Metol	2 grams	29 grains	¼ oz. 8 gr.
Sodium Sulfite, anhydrous	25 grams	¾ oz. 40 gr.	3¼ oz. 50 gr.
Hydroquinone	4 grams	59 grains	½ oz. 15 gr.
Sodium Carbonate, monohydrated	18.5 grams	½ oz. 50 gr.	2½ ounces
Potassium Bromide	2 grams	29 grains	¼ oz. 8 gr.
Water to make	1 liter	32 ounces	1 gallon

Do not dilute for use. Normal developing time 3 to 5 minutes at 68 F (20 C).

ANSCO 22 • M-H TITLE DEVELOPER

This formula is recommended for tray or tank development of cine title film and positive film to obtain results of high contrast.

	Metric	*Avoirdupois*	
Hot Water (125 F or 52 C)	750 cc.	24 ounces	3 quarts
Metol	.8 gram	12 grains	47 grains
Sodium Sulfite, anhydrous	40 grams	1¼ oz. 40 gr.	5¼ oz. 50 gr.
Hydroquinone	8 grams	¼ oz. 8 gr.	1 oz. 30 gr.
Sodium Carbonate, monohydrated	50 grams	1½ oz. 75 gr.	6¾ ounces
Potassium Bromide	5 grams	72 grains	½ oz. 70 gr.
Water to make	1 liter	32 ounces	1 gallon

Do not dilute for use. Normal developing time 5 to 8 minutes at 68 F (20 C).

ANSCO 30 • X-RAY DEVELOPER

This developer is recommended for use with Ansco X-Ray Film. Ansco 30 is also suitable for Ansco aerial films as it is clean-working, has long life and gives high contrast.

	Metric	*Avoirdupois*	
Hot Water (125 F or 52 C)	750 cc.	24 ounces	3 quarts
Metol	3.5 grams	51 grains	¼ oz. 95 gr.
Sodium Sulfite, anhydrous	60 grams	2 ounces	8 ounces
Hydroquinone	9 grams	¼ oz. 20 gr.	1 oz. 90 gr.
Sodium Carbonate, monohydrated	40 grams	1¼ oz. 40 gr.	5¼ oz. 50 gr.
Potassium Bromide	2 grams	29 grains	¼ oz. 8 gr.
Water to make	1 liter	32 ounces	1 gallon

Do not dilute for use.

Normal developing time at 68 F (20 C), 6 minutes for X-Ray Film, 8 minutes for Non-Screen X-Ray Film.

ANSCO 40 • M-H TRAY DEVELOPER

This is a brilliant metol-hydroquinone tray developer for roll, pack and sheet film.

Stock Solution	*Metric*	*Avoirdupois*	
Hot Water (125 F or 52 C)	900 cc.	29 ounces	3½ quarts
Metol	4.5 grams	66 grains	½ oz. 45 gr.
Sodium Sulfite, anhydrous	54 grams	1¾ oz. 25 gr.	7¼ ounces
Hydroquinone	7.5 grams	¼ ounce	1 ounce
Sodium Carbonate, monohydrated	54 grams	1¾ oz. 25 gr.	7¼ ounces
Potassium Bromide	3 grams	44 grains	¼ oz. 65 gr.
Water to make	1 liter	32 ounces	1 gallon

For use dilute 1 part stock solution with 2 parts water.

Developing time 4 to 5 minutes at 68 F (20 C).