

Quoted from Hardy & Perrin, "Principle of Optics", 3rd impression, 1932:

The graininess of a photographic material is one of its intrinsic properties, at least to a first approximation, and is only slightly affected by the development procedure. For motion-picture work, however, it pays to take advantage of even slight improvements in the technique, and the following formula is recommended by the Eastman Kodak Company for developing the negative because it tends to minimize the graininess:

Metol (.....) 2 grams
Sodium sulphite (dry) (.....) 100 grams
Hydroquinone 5 grams
Borax 2 grams
Water, to make 1 liter .

Directions for Mixing: Dissolve the metol in a small volume of water at about 125°F. (52°C.), and pour the solution into the tank. Then dissolve approximately one-quarter of the sulphite separately in hot water at about 160°F. (71°C.), and add the hydroquinone while stirring until completely dissolved. Then add this solution to the tank. Now dissolve the remainder of the sulphite in hot water at about 160°F. (71°C.), add the borax, and when dissolved, pour the entire solution into the tank. Dilute to the required volume with cold water.