

Technical Data Sheet

Application Sheet for Citifluor AF300 Antifadent Solution

EMS Catalog #17977-25

Usage

AF300 is a solution of an antifadent in glycerol and has been specially prepared for use with Permafix-1 and MWL 4-88 solutions where fluorescein is the staining material. The solutions may be used with other fluorochromes such as rhodamines, etc. The presence of the antifadent helps to reduce photobleaching of the fluorophore and to enhance the rate of solidification. Solutions should be made up by mixing 1 part by volume of AF300 with 3 parts by volume of Permafix-1 / MWL 4-88. A few drops of the solution should be applied to the specimen followed by a cover slip.

Properties and Storage of AF300 Antifadent Solution

The solution is of medium viscosity and has a water-white appearance. The AF200 / Permafix-1 / MWL 4-88 solutions do not keep and the efficacy of the antifadent is markedly reduced over a 10 hour period. With this in mind, it is better to make up the mixture prior to use and not to rely on keeping solutions.