

# **Application Sheet for the use of AF 300 antifadent solution**

## **Usage**

**AF300** a solution of and antifadent in glycerol and has been specially prepared for use with Permafix-1 and MWL4-88 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**

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.