

# Technical Data Sheet

## Application Sheet for Citifluor CFM-1 Mountant Solution Containing an Antifadent

#17981-10, 17981-25

### Usage

This glycerol-phosphate buffered saline based solutions has been specially formulated so as to have a refractive index of ~1.52 (at room temperature) and contains an antifadent to retard the bleaching of fluorochromes. The refractive index of the solution is designed to match the glass of the objective lens and coverslip. The CFM 1 Solution Plus Antifadent will be particularly useful for high magnification work where immersion oils are used to minimise distortion of the image due to refraction of the viewing light and where bleaching of the fluorochrome occurs. The solution should also be very valuable for three-dimensional imaging of specimens using confocal fluorescence microscopy where integrity of the image has to be maintained. To obtain images at some depth within the tissue it may be necessary to reduce the refractive index of the supplied solution. This may be done by adding sufficient glycerol to render clarity.

A few drops of the solution should be applied to the specimen followed by a cover slip.

### Properties and Storage of CFM-1 Mountant Solution Plus Antifadent

The solution is of medium viscosity with a deep yellow tint and a pH of ~9. The solution should be stored at room temperature. The cap of the bottles should always be replaced after use to prevent evaporation of water. Samples stored under these conditions for 6 months have been found to exhibit little apparent deterioration.