

Application Sheet for Citifluor™ AF1 plus DAPI Mountant Solution

Usage

AF1 is a mountant solution composed of glycerol, phosphate buffered saline and antifadent to which DAPI has been added at a concentration of 2µg per ml. If a lower concentration of DAPI is required, dilution should be carried out by adding a further quantity of AF1 solution. The solution will be of value to those using the FISH technique since the DAPI will stain the nuclei and the antifadent will prevent its bleaching.

The solution has a pH of ~10. The solution should be pipetted onto the specimen and then a cover slip applied. If the slides are stored in a refrigerator, the viscosity of the mountant solution increases thereby helping to keep the cover slip in place. There is no need to seal the cover slip with nail varnish. Specimens mounted in AF1 solutions have been kept in this way for many months without suffering damage.

Properties and storage of AF1 plus DAPI mountant solution

The solution is of medium viscosity and has a water-white appearance. It may be stored at room temperature and ideally between 5° and 15° and out of strong sunlight. The cap of the bottle or if using the pipette supplied with the material, the cap which covers the pipette delivery point, should always be replaced after use since the solution is hygroscopic. Samples stored under these conditions for 6 months have shown no apparent deterioration.