

Application Sheet for Citifluor™ Poly(vinyl pyrrolidone) plus antifadent Solution

Usage

Aqueous poly(vinyl pyrrolidone) plus antifadent is very useful as a permanent mountant which possesses antifadent properties. A few drops of the solution should be applied to the specimen followed by a cover slip. The water evaporates to give a clear film having a high refractive index (approaching 1.5 – the value depends on the extent to which water is removed). The dried film the cover slip in place thereby aiding the safe storage of the specimen.

Properties and storage of Poly(vinyl pyrrolidone) plus antifadent solutions

The solutions are of low viscosity and are slightly yellow in appearance. They have a pH of ~9.5. The solutions may be stored at room temperature. The cap of the bottles should always be replaced after use, to prevent evaporation of water which leads to film formation and ultimately to solidification of the product. Samples stored under these conditions for 6 months have been found to exhibit little apparent deterioration e.g. no gel formation.