

## Product Information Sheet

### Ordering Information

Product Number: 398  
Product Name: 6-ROXtra \*25 µM PCR fluorescence reference solution\*  
Unit Size: 5 ml  
Storage Conditions: <-15 °C and kept from light  
Expiration Date: 12 months upon receiving

### Chemical, Physical and Spectral Properties

Molecular Weight: 844.80  
Appearance: Purple solution in 20 mM Tris (pH 8.4), 0.1 mM EDTA and 0.01% Tween® 20  
Soluble in: 20 mM Tris (pH 8.4)  
Excitation Wavelength: 575 nm  
Emission Wavelength: 602 nm

### Application Notes

6-ROX is predominately used as a reference dye for performing PCR detections. However, 6-ROX is very unstable compared to other rhodamine dyes. 6-ROXtra™ has greatly improved stability and water solubility. 6-ROXtra™ has almost identical spectral properties to those of 6-ROX. This 6-ROXtra™ dye is 25 µM solution in 20 mM Tris (pH 8.4), 0.1 mM EDTA and 0.01% Tween® 20. 6-ROXtra™ dye is stable at room temperature for a few weeks, making this fluorescent dye an excellent replacement to the widely used 6-ROX PCR reference dye.