

Product Information Sheet

Ordering Information

Product Number:	400
Product Name:	ROX Reference Dye *50X fluorescence reference solution for PCR reactions*
Unit Size:	5 ml
Storage Conditions:	<-15 °C and kept from light
Expiration Date:	12 months upon receiving

Protocol

ROX Reference Dye is equivalent to 12223-012 (Life Technology). It provides users of the ABI PRISM® 7700 a convenient method for normalizing fluorescent reporter signal in real-time quantitative PCR or RT-PCR without modifying the instrument's default analysis parameters. ROX Reference Dye is supplied at 50X concentration. It is made of highly purified 5-ROX glycine. Compared to the standard ROX dyes, 5-ROX glycine has improved stability.

1. Set up quantitative PCR / RT-PCR reactions according to the protocol provided with each PCR reagent system. Optimum cycling parameters vary with PCR composition and thermal cycler. Multiple reactions must be assembled as a master mixture.
2. Include 1 µL of ROX Reference Dye for each 50-µL PCR. Adjust volumes as appropriate to account for addition of the reference dye.
3. Mix thoroughly prior to addition to the master mixture.