www.genXpress.at Amplifluor™ Housekeeping Direct Gene Systems (GX-30-S7917 100 rct & GX-30-S7918 100 rct)

The Amplifluor™ Housekeeping Direct Gene Systems offer a closed-tube fluorometric detection format for the quantitatition of either human or mouse 18S ribosomal RNA, *beta-actin (GX-30-S7917)*, or GAPDH (GX-30-S7918) cDNA targets using the polymerase chain reaction (PCR). These systems are designed to normalize sample to sample variations in the quantitation of any cDNA target using the method of reverse transcription-PCR (RT-PCR). Quantitative RT-PCR is a multi-step process for the quantitation of RNA levels that typically includes cell sampling, RNA isolation, reverse transcription, PCR amplification, and detection. Each step can contribute to an error in the final result. Relative RT-PCR normalizes the expression of specific cDNA targets to a gene, often called a "housekeeping" gene, which is expressed at relatively constant levels.

Features

- Measures specific gene expression without the use of gels or radioisotopes.
- Normalizes sample-to-sample variations in the quantitation of any cDNA target.
- Highly sensitive quantitation.
- Homogeneous, direct detection within a closed reaction vessel minimizes contamination.
- Optimized for endpoint analysis with real-time capabilities.
- Flexibility in choice of detection instrumentation.
- Ideal for high-throughput analysis.
- Specific one-step reaction eliminates the need for hybridization probes