

Complete Real-Time PCR Solutions

Gold standard systems, reagents, and support from Applied Biosystems

RNA*



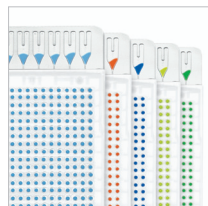
The High Capacity cDNA Reverse Transcription Kit (formerly the High Capacity cDNA Archive Kit) delivers extremely high-quality, single-stranded cDNA from total RNA. While designed for short or long term quality cDNA archiving, the kit generates high cDNA yields from 0.02 to 2 µg of total RNA. Downstream applications include real-time PCR, standard PCR and microarray analysis.

cDNA



TaqMan® Universal PCR Master Mix** contains all components needed – enzyme, buffer, dNTPs – for all 5' nuclease assays including TaqMan® Gene Expression Assays. This easy-to-use solution uses universal cycling conditions enabling you to run multiple assays on a plate and employs AmpliTaq Gold® DNA polymerase for enhanced performance.

Real-Time
PCR Array



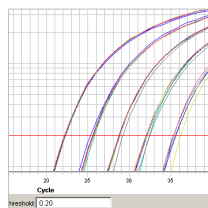
TaqMan® Low Density Arrays are customizable 384-well microfluidic cards that perform hundreds of real-time PCR reactions simultaneously. Simple to implement, TaqMan® Arrays require minimal sample amounts and run 1–8 samples in parallel against 12–384 preloaded TaqMan® Gene Expression Assays without liquid-handling robotics or complex pipetting.

Results



The **Applied Biosystems 7900HT Fast Real-Time PCR System** is the only real-time quantitative PCR system that combines 96- and 384-well plate compatibility and the TaqMan® Low Density Array with fully automated robotic loading—and now also offers optional Fast real-time PCR capability.

Analysis



The advanced **SDS v2.3 software** for the Applied Biosystems 7900HT Fast Real-Time PCR System has many features such as RQ Manager that simultaneously compares expression levels of 10 plates and makes it easy to visualize results. The software also includes flags and filters for increased quality control, problem notification, filtering and troubleshooting.

* RNA Isolation kits available through Ambion, an Applied Biosystems company

** Contains AmpliTaq® Gold DNA Polymerase, the world's most referenced brand of DNA polymerase