

## General-purpose reagents, 2/14

February 2014—Life Technologies released general-purpose reagents (GPRs) for the development of molecular diagnostic assays based on qPCR and capillary electrophoresis (CE). GPR products are for laboratory use and come with a higher quality assurance than research-use-only products.

For CE (for sequencing and fragment analysis), BigDye Terminator Cycle Sequencing Reagents provide the required components for cycle sequencing reactions in a premixed format. They are optimized for longer, higher-quality reads with uniform peak heights and optimal signal balance and are appropriate for a range of applications, including de novo sequencing and resequencing.

BigDye Direct Cycle Sequencing Reagents, also for CE, provide flexible chemistry for de novo sequencing, resequencing, and finishing with PCR products such as plasmids, fosmids, and BAC templates. These reagents streamline the process by sequencing all steps in a single reaction tube.

For qPCR assay development, the TaqPath qPCR Master Mixes are compatible with both standard- and fast-cycling modes and are tolerant of inhibitors commonly found in clinical samples. In addition, the Master Mixes are functionally tested to ensure lot-to-lot reproducibility for CT consistency and wide dynamic range.

The TaqPath qPCR Master Mix, CG, is designed and optimized for gene expression and miRNA analysis. The TaqPath 1-Step RT-qPCR Master Mix, CG, is designed for rapid and reproducible pathogen detection and gene expression workflows.

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