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MEDIA CONTACTS:
Empirical Bioscience
Des O'Farrell
President
877.479.9949 X102
dofarrell@empiricalbioscience.com

Empirical Bioscience Plasmid Mini-Prep Kit Delivers Maximum Yields Using Minimal Culture

(GRAND RAPIDS, MICH)—April 18, 2017— Empirical Bioscience announced the introduction of a new Plasmid Mini-Prep Kit today. Requiring only 1-3mL of bacterial culture, the kit isolates high-quality plasma or cosmid DNA for extraction up to 10 kb in length and yields up to 20 µg per preparation.

In addition to using smaller volumes of cultures, the kit also features an integrated pH indicator within the lysis buffer. This indicator changes color to bright yellow when the lysis buffer reaches the optimal pH level for DNA binding, 7.5. If the pH is greater than 7.5 the lysis buffer will appear orange or violet in color indicating that the pH level is inefficient for DNA adsorption, allowing researchers to make adjustments to the mixture for more efficient plasmid isolation.

Besides the color changing lysis buffer, the kit includes, neutralization buffer, Rnase A, activation buffer, washing buffer, elution buffer, spin columns and collection tubes. These components create a versatile kit that lends itself well for use in micro-centrifuges or on vacuum manifolds.

"The ability to use less bacterial culture to purify a sequence away from the genome and to refine the mixture for optimal DNA or plasmid isolation are significant advantages," said Des O'Farrell, President of Empirical Bioscience. "Our kit has been shown to produce more high-quality plasmid than competitor brands that use more culture," he added.

Empirical Bioscience produces high-grade PCR reagents and enzymes in its ISO 13485 certified facility in Grand Rapids, MI, USA and is a Registered Small Business Company.

For more information about Empirical Bioscience visit: http://empiricalbioscience.com/ .

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