

GE launches GenomiPhi amplification kits

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GE launches GenomiPhi whole genome amplification kits



Singapore: GE Healthcare launched its illustra Ready-To-Go GenomiPhi kits that will provide researchers with a pre-dispensed, room temperature stable formulation for whole genome amplification, enabling a simplified workflow for obtaining large amounts of high quality DNA from small genomic DNA samples. The new kits also deliver improved yields over the current GenomiPhi kits.

GE Healthcare is the leader in DNA amplification based on the unique Phi29 DNA polymerase, employing the enzyme's exceptional fidelity and processivity to prepare DNA for sequencing and genomic applications using the smallest of samples.

Previous GenomiPhi kits contain liquid enzyme formulations that require storage at -80°C degrees. The new kits incorporate GE Healthcare's proprietary Ready-To-Go stabilisation technology which delivers single-dose reaction mixes in a solid format that can be stored for months at the bench without the need for refrigeration.

The new illustra Ready-To-Go GenomiPhi kits are available in two formats, including the Ready-To-Go GenomiPhi V3 that improves upon the current GenomiPhi V2 kit with more than double the previous DNA yield; and the Ready-To-Go GenomiPhi HY, which is specifically developed for high yield requirements, achieving 40-to-60 µg DNA yield from just 10 ng of starting DNA. Both kits are available in convenient eight-well strips or in 96-well plate formats.

GE's illustra Ready-To-Go GenomiPhi kits can be used to amplify DNA from blood lysates and dried blood spots. A protocol has been developed for amplification from Whatman FTA card punches with minimal handling, thus enabling a streamlined, efficient work flow for sample collection and analysis.