

Multiplexed PCR molecular infectious disease panels

January 2015—Seegene is introducing the first three comprehensive Allplex assays using its next-generation qPCR technology, called MuDT. The assay launch menu includes a 26-target Respiratory Full Panel, a 26-target Gastrointestinal Infection Full Panel, and a 27-target Sexually Transmitted Infection Full Panel.

MuDT is a disruptive qPCR technology that allows simultaneous detection and quantification of multiple target analytes in a single fluorescence channel, without melt curve analysis after amplification.

Features of the Allplex assays include real-time, one-step reverse transcription PCR analysis of viral RNA; disease- and symptom-based diagnostic capabilities by simultaneously identifying a range of bacterial, viral, and parasitic causes of infectious diseases from a single patient sample; and individual cycle threshold values of multiple targets in a single channel.

The company aims to submit for CE mark on the first three assays in 2015.

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