

## EARLY CUSTOMER DATA USING PROMEGA CHEMISTRIES ON THE RAPIDHIT™ 200

Stevan Jovanovich<sup>1</sup>, Rolfe Anderson<sup>1</sup>, Rich Belzinski<sup>1</sup>, Keith Elliott<sup>1</sup>, Helen Franklin<sup>1</sup>, Stephanie Gagnano<sup>1</sup>, Dennis Harris<sup>1</sup>, Yuan Li<sup>1</sup>, Roger McIntosh<sup>1</sup>, Bill Nielsen<sup>1</sup>, Charles Park<sup>1</sup>, Alex Kindwall<sup>1</sup>, Charles Troup<sup>1</sup>, Ezra Van Gelder<sup>1</sup>, Mattias Vangbo<sup>1</sup>, Jason Werking<sup>1</sup>, Steve Williams<sup>1</sup>, David Wyrick<sup>1</sup>, Douglas Storts<sup>2</sup>, Robert McLaren<sup>2</sup>, Jonelle Thompson<sup>2</sup>, Brandy Cook<sup>3</sup>, Lesley Ives<sup>4</sup>

<sup>1</sup>IntegenX Inc, Pleasanton, CA, USA

<sup>2</sup>Promega Corporation, WI, USA

<sup>3</sup>Palm Beach County Sheriff's Office, FL, USA

<sup>4</sup>Key Forensic Services, UK

IntegenX has developed an automated DNA analyzer, capable of producing database quality STR profiles, sample in, answer out, in less than 90 minutes.

In partnership with Promega, IntegenX has designed and manufactured cartridges and assays using Promega's DNA IQ™ System for DNA purification and PowerPlex® 16HS System multiplex PCR chemistries.

In July 2012 early customers from forensic laboratories were invited for the first time to the IntegenX laboratories in Pleasanton, CA for training, followed by a technical evaluation of the RapidHIT in their own hands. The objective was to enable customers already skilled in analyzing DNA results to experience the operation of the RapidHIT first-hand, and to obtain their early feedback on the quality of results generated using the Promega DNA IQ™ System and PowerPlex® 16HS chemistries on the RapidHIT 200. Data generated by customers on several parameters such as success rates, ease of use and sensitivity were generated, back-to-back against standard manual processing of the same samples using the same Promega reagents, and are presented here.

These results demonstrate the ability of the RapidHIT to work with existing commercially available and accepted chemistries, in addition to demonstrating the flexibility of Promega's DNA IQ™ System and PowerPlex® 16HS to be applied to emerging rapid DNA platforms. ☘