


Validation Certificate

PowerPlex® ESX and ESI Fast Systems

Products: DC1610, DC1611, DC1620, DC1621, DC1630, DC1631,
DC1710, DC1711, DC1720, DC1721, DC1730, and DC1731

Developmental validation experiments were performed by Promega Corporation in collaboration with external laboratories to validate the performance of the PowerPlex® ESX 16 Fast, ESI 16 Fast, ESX 17 Fast, and ESI 17 Fast Systems for forensic purposes according to the guidelines set forth by the DNA Advisory Board (Quality Assurance Standards for Forensic DNA Testing Laboratories, 2011) and the Scientific Working Group on DNA Analysis Methods (SWGDAM, Validation Guidelines for DNA Analysis Methods, 2012). The results of these validation experiments confirmed that these STR systems can successfully be used for human identification testing by forensic and paternity laboratories. Each laboratory using the PowerPlex® ESX/ESI 16 Fast and ESX/ESI 17 Fast Systems should perform its own appropriate internal validation studies to establish interpretation criteria and demonstrate that the PowerPlex® ESX/ESI 16 Fast and ESX/ESI 17 Fast Systems are appropriate and fit for its own human identification uses.

Issued: April 2015
Document #: VCDC16XX0415
Promega Corporation
2800 Woods Hollow Road
Madison, WI 53711-5399
United States


Douglas R. Storts
Head of Research