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## Product Specification

Product Name:

Inhibitor Resistant Genotyping PCR ReadyMix™, Low ROX™ - with Low ROX for ABI and Stratagene instruments

Product Number:

PIR01

Storage Temperature:

-20 °C

TEST	Specification
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Functional Assay

Conforms

Real-time quantitative PCR Functional Assay

Fast-cycling Real-time PCR detection of log-fold serial dilutions of a control DNA from 10<sup>7</sup> to 10 copies. Linear regression analysis of cycle threshold versus log input quantity must give a slope between -3.2 and -3.6 and correlation coefficient between -1.000 and -0.995.

Functional Assay

Conforms

Real-time quantitative PCR genomic DNA Functional Assay

Real-time PCR detection of single-copy gene in human genomic DNA using activation step of 10 minutes at 95° C. Linear regression analysis of cycle threshold versus log input quantity for a log-fold serial dilutions of human genomic DNA for 10<sup>5</sup> to 10 copies must give a slope of between -3.2 and -3.6 and correlation coefficient between -1.000 and -0.995 with accurate two-fold discrimination of 500, 1000, and 2000 copies.

DNase Detection

Conforms

Normalized fluorescent signal following a 1 hour incubation with 1X ToughMix at 37° C must be less than 100 pg DNase I equivalent as assayed using a fluorometric procedure.

RNase Detection

Conforms

Normalized fluorescent signal following a 1 hour incubation with 1X ToughMix at 37° C must be less than 1 pg RNase A equivalent as assayed using a fluorometric procedure.

Specification: PRD.1.ZQ5.10000071441

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.