Product: rhAmp Reporter Mix with Reference, 500 µL

Product number: 1076022

Batch number: 0000497093

Expiration date: 2020-DEC-16

rhAmp Reporter Mix with Reference is optimized for use with rhAmp Genotyping Master Mix and rhAmp SNP Assays. The formulation includes proprietary reporter-dye-labeled oligonucleotide probes and a passive reference dye for assessing allelic discrimination on select instrument platforms.

Analytical testing		
Test	**Specification**	**Results**
Molecular weight by ESI	±2.8 Da of target mass of each reporter probe and primer in mix	Pass
Reporter probe concentration by RP-HPLC	±10% of target concentration of each reporter probe in mix	Pass
Passive reference concentration by RP-HPLC	±15% of target concentration of passive reference in mix	Pass

Analytical test methods:

Molecular weight (MW) of the individual components of the mix is assessed after formulation and verified by ESI (electrospray ionization).

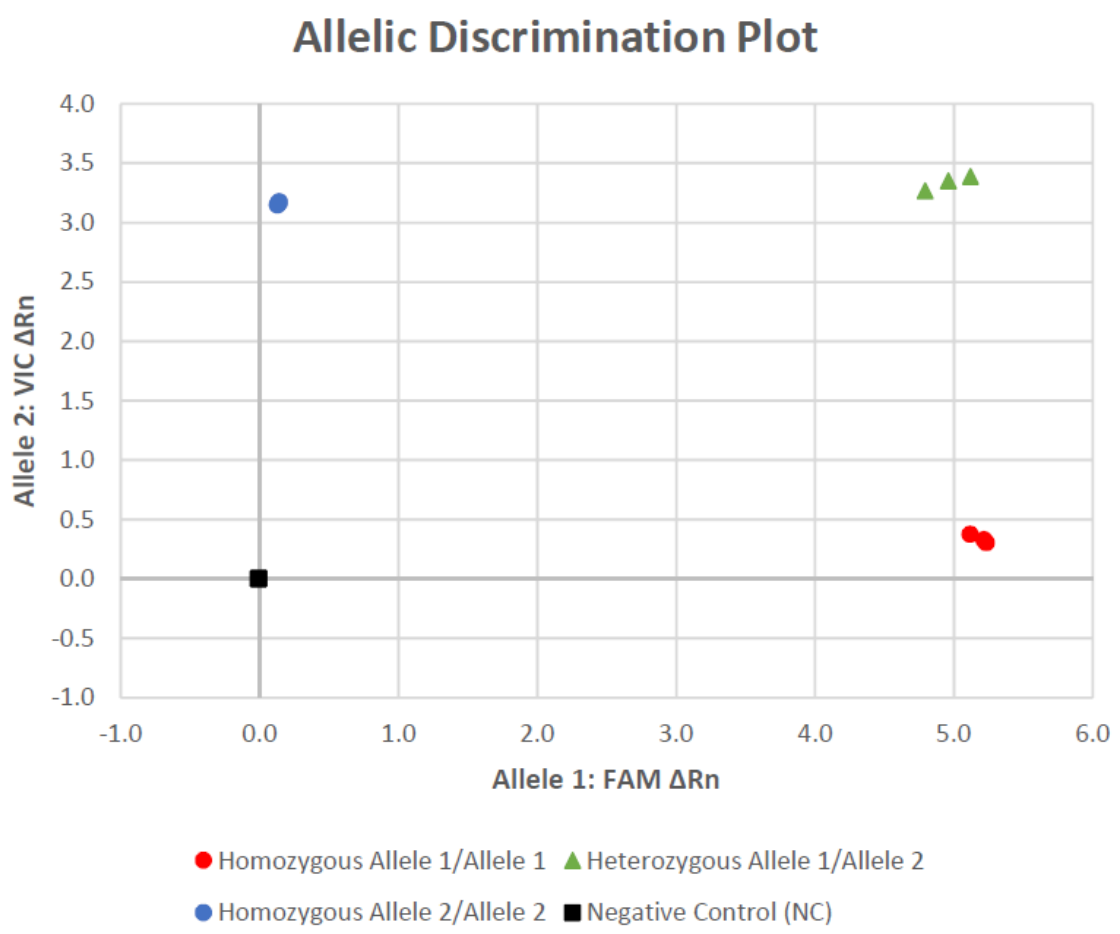
Concentration of each individual oligo within the mix is analyzed by a proprietary RP-HPLC method.

Functional testing

rhAmp Reporter Mix with Reference is tested for allelic discrimination performance using rhAmp Genotyping Master Mix and a rhAmp SNP Assay targeting 1000 copies of double-stranded gBlocks Gene Fragment template. PCR cycling and analysis is performed using the QuantStudio™ 7 Flex Real-Time PCR System (Thermo Fisher Scientific).

Test	Result
Allelic discrimination	Pass

Allelic discrimination plot



Storage: Store rhAmp Reporter Mix with Reference in a sealed container at –20°C, protected from light.

Verified by: Ekaterina Carlson
Quality release date: 2020-JAN-24

rhAmp Reporter Mix with Reference contains oligonucleotide probes with proprietary modifications from multiple sources, including IDT, and is sold under license from IDT, Exiqon A/S, and Elitech, for customer research purposes only. For further information, see www.idtdna.com.

IDT verifies that the information contained herein is true and correct to the best of our knowledge. This document was produced electronically and is valid without signature.

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