

Product: rhAmp Reporter Mix with Reference, 250 μ L

Product number: 1076021

Batch number: 0000512970

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 | $\pm 10\%$ of target concentration of each reporter probe in mix | Pass |
| Passive reference concentration by RP-HPLC | $\pm 15\%$ 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).

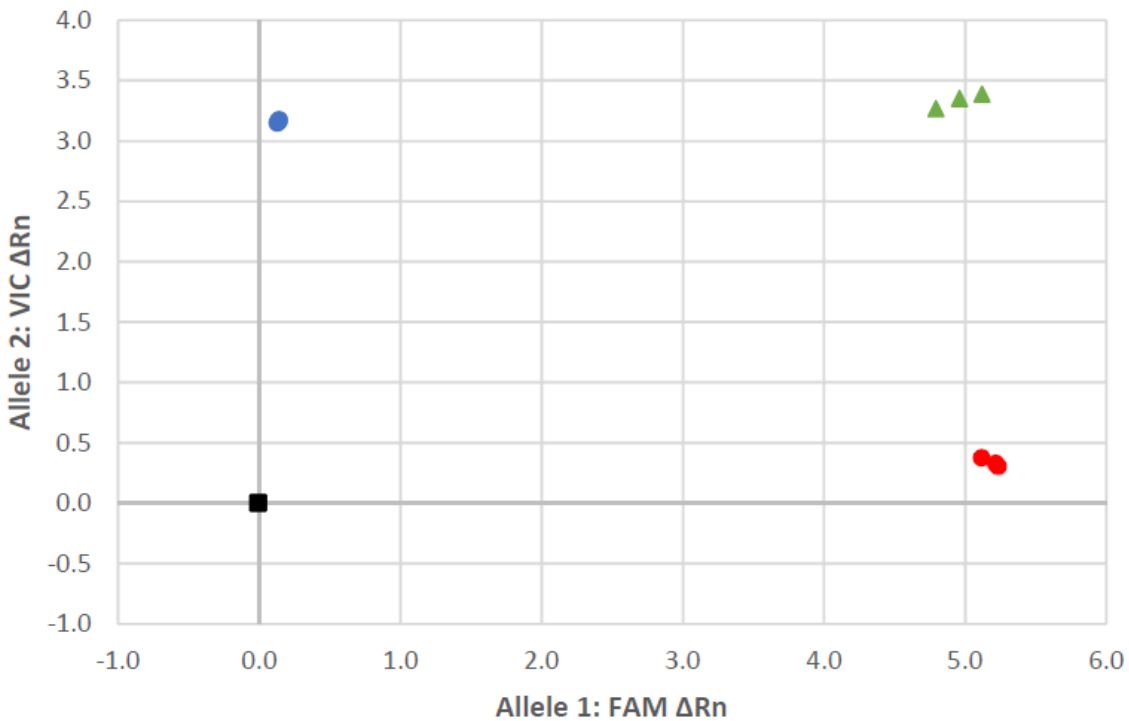
Concentration of each individual oligo within the mix is analyzed by a proprietary RP-HPLC method.

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



- Homozygous Allele 1/Allele 1
- ▲ Heterozygous Allele 1/Allele 2
- Homozygous Allele 2/Allele 2
- Negative Control (NC)

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-APR-03

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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