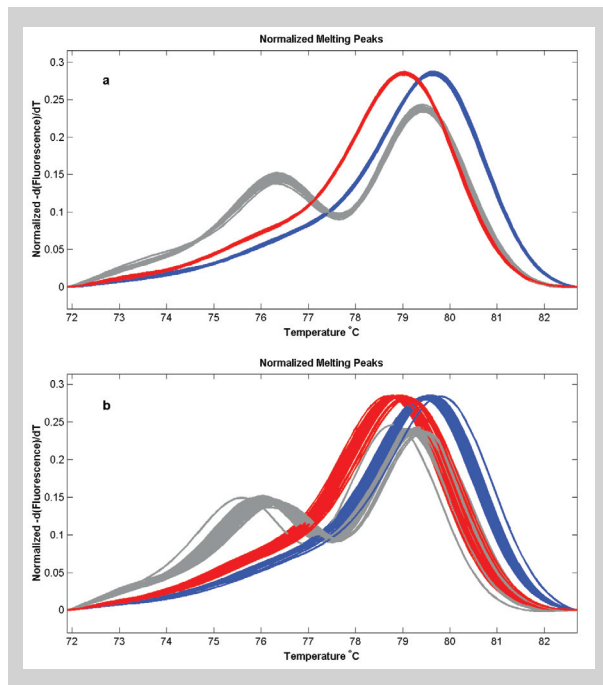


High Sensitivity Master Mix

Information Sheet



The panels above illustrate the genotyping results obtained with (Panel a) and without (Panel b) the LightScanner High Sensitivity Genotyping Master Mix for a G>C SNP in a 42 bp product. These results demonstrate the benefits of using the specialized master mix.

Designed for Genotyping using Small Amplicons

The LightScanner® High Sensitivity Genotyping Master Mix is a specialized master mix containing LCGreen Plus® dye and internal temperature calibrators. Many genotyping studies include samples where the polymorphism consists of a base pair neutral change (A>T, G>C). Inclusion of these temperature calibrators in this master mix enables differentiation of even these subtle differences.

References:

Liew, M., et al. [2004] *Genotyping of single-nucleotide polymorphisms by high-resolution melting of small amplicons*. Clin Chem. Jul;50(7):1156-64.

Liew, M., et al. [2007] *Closed-tube SNP genotyping without labeled probes/a comparison between unlabeled probe and amplicon melting*. Am. J. Clin. Pathol. 127, 341-348

Seipp, M. T. et al. [2007] *Unlabeled Oligonucleotides as Internal Temperature Controls for Genotyping by Amplicon Melting*. J Mol Diagn., 9, 284-9

Kit Contents:

- 1x100 Rxns of 2.5 x Master Mix
- 1.5 mL of 10mM MgCl₂
- 1.5 mL of Reagent Grade Water
- 1 LightScanner Master Mix User's Guide

Shipping & Storage:

- Store at -20 °C for up to 1 year
- Once thawed, store at 4 °C for 2 weeks
- LightScanner Master Mix is shipped on dry ice

New Product

The High Sensitivity Master Mix is a new product offered from Idaho Technology Inc.



Ordering Information

Catalog Number	Instrument Options
HRLS-ASY-0008	High Sensitivity Genotyping Master Mix (100 Reactions)
HRLS-ASY-0009	High Sensitivity Genotyping Master Mix (500 Reactions)



Innovative solutions for pathogen identification and DNA research

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