Superior PCR Performance

The two images below show the amplification of the Hepatic Lipase gene (301 bp) using 100 ng human genomic DNA using the LightScanner Master Mix. Superior reproducibility is demonstrated by the overlapping curves of 24 replicate samples of both the wild type and mutant samples.

Product Benefits

- **Reduce time, save money**
  easy-to-use premixed formula

- **Secure downstream success**
  go directly from PCR to melting curve analysis, eliminating the risk of contamination.

Derivative melting curves illustrate detection of heteroduplexes in the heterozygous mutant using LCGreen® Plus which are not detected using SYBR Green I.
LightScanner® Work Flow

The LightScanner System was developed to integrate seamlessly into existing laboratory work flows. The process is nondestructive so samples can be recovered for additional analysis.

Shipping and Storage
- Store at -20 ºC for up to 1 year
- Once thawed store at 4 ºC for 2 weeks
- LightScanner Master Mix is shipped on dry ice

Kit Contents

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 100 Rxn</td>
<td>2.5 X Master Mix</td>
</tr>
<tr>
<td>1.5 mL</td>
<td>10 mM MgCl\textsubscript{2}</td>
</tr>
<tr>
<td>1.5 mL</td>
<td>Reagent Grade Water</td>
</tr>
<tr>
<td>1</td>
<td>LightScanner Master Mix User’s Guide</td>
</tr>
</tbody>
</table>

Ordering Information

<table>
<thead>
<tr>
<th>No. of Rxns</th>
<th>Catalog No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>HRLS-ASY-0002</td>
</tr>
<tr>
<td>500</td>
<td>HRLS-ASY-0003</td>
</tr>
<tr>
<td>Larger sizes</td>
<td>Inquire</td>
</tr>
</tbody>
</table>

Contact Information

USA: 1-800-735-6544  Ph: +1 (801) 736-6354  Web: www.biofiredx.com  Email: it@biofiredx.com

The purchase of the LightScanner Master Mix includes a limited, nontransferable license, under specific claims of one or more U.S. patents as listed on BioFire Diagnostics, Inc’s Web site (http://www.biofiredx.com/LegalNotices/) and owned by the University of Utah Research Foundation and/or BioFire Diagnostics, Inc., to use only the enclosed amount of product according to the specified protocols. No right is conveyed, expressly, by implication, or by estoppel, to use any instrument or system under any claim of such U.S. patent(s), other than for the amount of product contained herein. Purchase of the LightScanner Master Mix does not convey any PCR license. The LightScanner Master Mix is licensed under U.S. Patent Nos. 5,338,671 and 5,587,287. The purchase of the LightScanner Master Mix includes a limited, non-transferable license for all fields other than human or veterinary in vitro diagnostics under U.S. Patent No. 5,871,908, owned by Evo-tec Biosystems GmbH and licensed to Roche Diagnostics GmbH, to use only the enclosed amount of product according to the specified protocols. No right is conveyed, expressly, by implication, or by estoppel, to use any instrument or system under any claim of U.S. Patent No. 5,871,908, other than for the amount of product contained herein.

LCGreen, Hi-Res Melting, LightScanner are trademarks of BioFire Diagnostics, Inc. LightCycler is a trademark of a member of the Roche Group. SYBR is a trademark of Molecular Probes.

References


Technology Comparisons