SMARTer® PicoPLEX® Single Cell WGA Kit

Catalog Nos.          Amount          Lot Number
R300671               24 rxns          Specified on product label
R300672               96 rxns          Specified on product label

Description
The SMARTer PicoPLEX Single Cell WGA Kit uses a single-tube protocol developed specifically for reproducible amplification of genomic DNA (gDNA) starting with 1–10 cells or equivalent picogram quantities of isolated gDNA. Cell lysis and whole-genome pre-amplification is followed by amplification with very low background to yield over 9 µg of product in under 3 hours.

Package Contents

<table>
<thead>
<tr>
<th>Item name</th>
<th>R300671 (24 rxns)</th>
<th>R300672 (96 rxns)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell Extraction Buffer</td>
<td>120 µl</td>
<td>485 µl</td>
</tr>
<tr>
<td>Extraction Enzyme Dilution Buffer</td>
<td>120 µl</td>
<td>485 µl</td>
</tr>
<tr>
<td>Cell Extraction Enzyme</td>
<td>5 µl</td>
<td>20 µl</td>
</tr>
<tr>
<td>Pre-Amp W Buffer</td>
<td>120 µl</td>
<td>485 µl</td>
</tr>
<tr>
<td>Pre-Amp W Enzyme</td>
<td>5 µl</td>
<td>20 µl</td>
</tr>
<tr>
<td>Amplification Buffer</td>
<td>630 µl 2 x 1300 µl</td>
<td>2 x 1300 µl</td>
</tr>
<tr>
<td>Amplification Enzyme</td>
<td>25 µl</td>
<td>80 µl</td>
</tr>
<tr>
<td>Nuclease-Free Water</td>
<td>1000 µl 4 x 1000 µl</td>
<td></td>
</tr>
</tbody>
</table>

Storage Conditions
- Store at –20°C

Shelf Life
- 1 year from date of receipt under proper storage conditions

Shipping Conditions
- Dry ice (–70°C)

Product Documents
Documents for our products are available for download at takarabio.com/manuals
The following documents apply to this product:
- SMARTer PicoPLEX Single Cell WGA Kit User Manual
Quality Control Data

This combination of components has been functionally validated.

<table>
<thead>
<tr>
<th>Test Parameter</th>
<th>Test Specification</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amplification yield</td>
<td>Average amplified product yield of at least 9 µg from four 15-pg human genomic DNA samples</td>
<td>Pass</td>
</tr>
<tr>
<td>Amplification background</td>
<td>Real-time amplification curves from four no-template samples are at least four cycles delayed relative to amplification curves from four 15-pg genomic samples</td>
<td>Pass</td>
</tr>
</tbody>
</table>

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.
Notice to Purchaser

SMARTer® PicoPLEX® Single Cell WGA Kit

CATALOG NO.
R300671, R300672

NOTICE TO PURCHASER:

Our products are to be used for Research Use Only. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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STATEMENT 328

This product is protected by U.S. Patents 8,206,913 and corresponding foreign patents. Additional patents are pending. For further license information, please contact a Takara Bio USA licensing representative by email at licensing@takarabio.com.

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