The specifications of the product are as follows:

<table>
<thead>
<tr>
<th>General specifications</th>
<th>Function</th>
<th>Temperature</th>
<th>40.0 to 99.0°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>External dimensions</td>
<td>Denaturation</td>
<td>Heat start</td>
<td>1.0 to 30.0 seconds</td>
</tr>
<tr>
<td>Weight</td>
<td></td>
<td>Time</td>
<td>1.0 to 5.0 seconds</td>
</tr>
<tr>
<td>Input voltage</td>
<td>Annealing &amp; Extension</td>
<td>Temperature</td>
<td>40.0 to 75.0°C</td>
</tr>
<tr>
<td>Current consumption</td>
<td></td>
<td>Time</td>
<td>3.0 to 1200 seconds</td>
</tr>
<tr>
<td>Ambient operating temperature</td>
<td>Reverse transcription</td>
<td>Temperature</td>
<td>40.0 to 75.0°C</td>
</tr>
<tr>
<td>Altitude Endurance</td>
<td></td>
<td>Time</td>
<td>1.0 to 3600.0 seconds</td>
</tr>
<tr>
<td>Interface</td>
<td>Storage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bluetooth</td>
<td>Measurement site</td>
<td>Max 250 items</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Profile</td>
<td>Max 15 items</td>
<td></td>
</tr>
</tbody>
</table>

**Measurement conditions**

<table>
<thead>
<tr>
<th>Method</th>
<th>Real-Time PCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of samples</td>
<td>1 sample</td>
</tr>
<tr>
<td>Number of items</td>
<td>max 3 items</td>
</tr>
</tbody>
</table>

- Isolate/Isolate wavelength1: Representative wavelength 470/530 nm * Available fluorescent dyes: FAM
- Isolate/Isolate wavelength2: Representative wavelength 530/630 nm * Available fluorescent dyes: ROX, HEX
- Isolate/Isolate wavelength3: Representative wavelength 630/670 nm * Available fluorescent dyes: Cy5

- Detection format: Hybridization probe/Thermostable probe
- Number of cycles: Max 50 cycles
- Reaction container: Dedicated measurement chip (2) 176 x 26 x 0.3 mm
- Reaction volume: 15 to 20 µl (9)
- Measurement time: Within 10 minutes (~ 74)

*1 Accessory: AC adapter, Input voltage: AC100-240V, 50-60Hz 1*2: Sold separately 1*3: Not recommended 1*4: Varies by enzyme and measurement target

**Supported OS**

- Windows X,32bit/64bit, Windows 10,32bit/64bit

**Accessory included**

- CD-ROM (PC software, etc.), Quick Star Guide, AC adapter, USB feeder cable

**Precautions for use**

Amplification is for two temperature range: denaturation range and annealing/extension range.

Three temperature ranges cannot be set.

Windows is a registered trademark of Microsoft Corporation in the United States, Japan, and other countries.

Bluetooth is a registered trademark of Bluetooth SIG, Inc.

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PicoGene™ PCR1100
Mobile Real-Time PCR device

Our Motto is "Bringing peace of mind and well-being for all".

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**For research use only, Not for use in diagnostic procedures.**

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**Product Name**

- Model: PCR1100
  - Quantity: 1 unit

- Measurement strip for PCR1100: MCR1100
  - Quantity: 50pcs/box

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**NSG GROUP**

Nippon Sheet Glass Co., Ltd.

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Save the world.

"Gene testing" provides peace of mind for a more safe and secure life globally. Nippon Sheet Glass group has successfully developed a technologically advanced Mobile Real-Time PCR (gene testing) device that shortens the amount of time needed to measure gene content with high precision. PicoGene™ can be used in any environment and situation due to its size and portability. It can be easily used on site to test "Food hygiene", "Environmental pollution surveys", and "Biological resource surveys". Nippon Sheet Glass group strives to contribute to the safety and security of people's lives not only in Japan but around the world with the development of brand-new genetic device technologies.

Our Motto is "Bringing peace of mind and wellbeing for all".

Details are posted on our dedicated website. https://pcr-nsg.jp/en