



Compact
&
Speedy

Mobile Real-Time PCR device

PicoGene™ PCR1100E

COMPACT

MOBILE

SPEEDY

LOW POWER

Compact, light-weight, and mobile DNA and RNA measurement on-site

Nippon Sheet Glass "PCR1100E" is a mobile type measuring device that can be used for gene measurement anywhere instead of just in laboratories.



WEIGHT

560g

DIMENSION

H200xW100xD50mm

POWER

DC5V3A

COMPACT

MOBILE

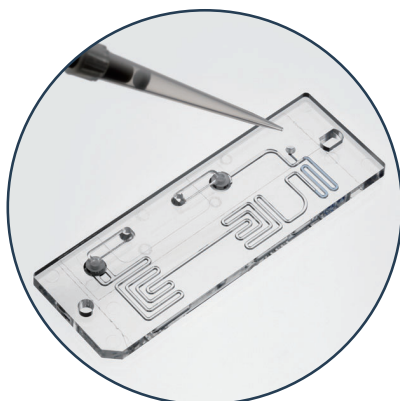
LOW POWER

Innovation for downsized

The inspection device, which used to be installed at a laboratory, has now been downsized.

By bringing this device and inspecting your target on-site, detection time is significantly reduced.

STEP 1



Inject the sample into the measurement chip

STEP 2

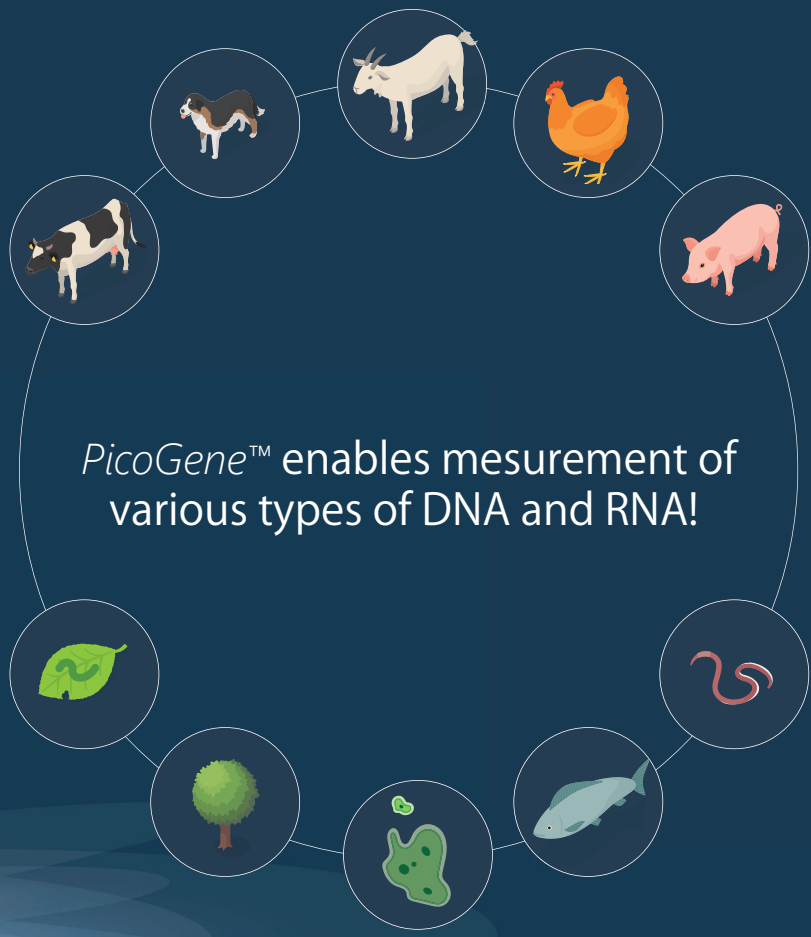


Put the measurement chip into the device

STEP 3



Press the START button to measure

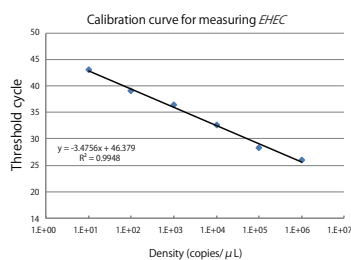
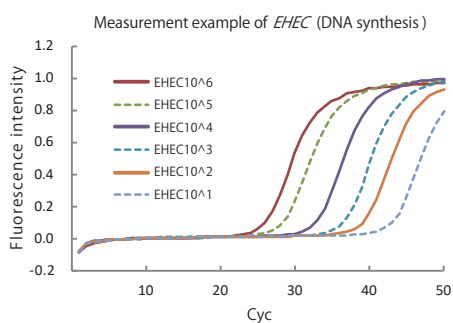


PicoGene™ enables measurement of various types of DNA and RNA!

SPEEDY

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

Faster inspection time with the same high accuracy

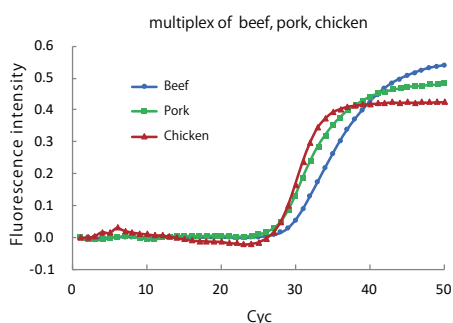


Shortened the measurement time to 10 min. by synergizing with a fast-reacting reagent (pre-processing is separate)

Enable to draw an accurate calibration curve

Amplification by the hydrolysis probe method * You cannot use the intercalation method on this device.

Measurement example - Determining meat species



DNA measurement by reagent for determining meat species (beef, pork, chicken)

Verified the reactions of multiplex (3 kinds) up to 10 pg/μl and single measurement up to 1 pg/μl by cDNA measurement

Also verified the reactions of direct PCR from each actual food ingredient (All results investigated by NSG)

Specifications

The specifications of the product are as follows.

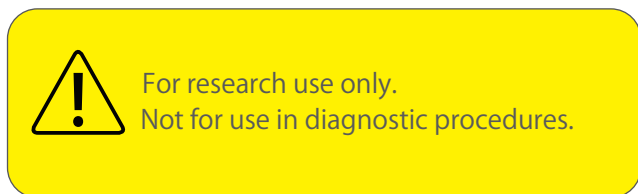
Item	Specification	
Dimension	H200 x W100 x D50 mm	
Weight	Approx. 560 g	
Power	<ul style="list-style-type: none"> AC 100 to 240V 50/60 Hz (incl. AC adaptor) DC5V3A (incl. USB power cable) 	
Operating temperature range	10 to 40 degrees Celsius	
Maximum operating altitude	2000 m	
Number of samples	1	
Measurement chip (MCP1100)	76 x 26 x 3 mm	
Volume of reaction	15 to 20 μ l	16 μ l recommended
Excitation/fluorescent wavelength 1	Representative wavelength 470/530 nm	Usable fluorescent dye: FAM
Excitation/fluorescent wavelength 2	Representative wavelength 530/630 nm	Usable fluorescent dye: ROX
Excitation/fluorescent wavelength 3	Representative wavelength 630/670 nm	Usable fluorescent dye: Cy5
Number of items	Maximum 3 items	
Detection format	Hydrolysis probe method	Intercalator method is not supported.
Hot start	40 to 99 degrees Celsius	Within 30 sec. for hot start
Denaturation range	40 to 99 degrees Celsius / 1 to 5 sec.	
Annealing/extension range	40 to 75 degrees Celsius / 3 to 120 sec.	
Reverse transcription range	40 to 75 degrees Celsius / 1 to 3600 sec.	
Maximum number of cycles	50 cycles	
Interface	Bluetooth® (Ver3 and later)	Enable to connect to PC
Results saving function	250 files	
Reaction conditions saving function	15 files	
Supported OS	Windows® 7 (32bit/64bit)/ Windows® 8.1 (32bit/64bit)/ Windows® 10 (32bit/64bit)	
Accessories included	CD-ROM (PC software, etc.) Quick Start Guide AC adapter, USB power cable	

[Precautions for use]

Amplification is for two temperature ranges: denaturation range and annealing/extension range. There temperature ranges cannot be set.

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Bluetooth® is a registered trademark of Bluetooth SIG, Inc.



Product Name	Model	Quantity
<i>PicoGene™</i>	<i>PCR1100E</i>	1 unit
<i>Measurement chip for PCR1100E</i>	<i>MCP1100</i>	50 pcs/box



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Distributor