FastGene® PCR Tubes

- **Compatible with most thermal cyclers**
- **Reproducible PCR results**
- **Free of RNase, DNase and human genomic DNA**

No evaporation

The evaporation of samples is a well-known error factor which depends on the quality of the PCR plastic. Preventing evaporation is important especially for users that perform low volume (5 - 10 µl) PCR. FastGene® PCR Tubes and strips are intensively tested, under very stringent conditions.

Guaranteed quality

The performance and reproducibility of your PCR result is significantly influenced by plastics. As a result of a unique manufacturing process, our FastGene® PCR single tubes and 8-well strips fulfill the highest requests of quality. All FastGene® PCR plastic products are manufactured by using ultra pure polypropylene. Proteins are not able to bind to the surface. The tubes and strips have very thin walls but are extremely stable and robust. Because of a very stringent QC procedure the „batch-to-batch" reproducibility of all plastics is extremely high.

Test our PCR tubes for free!

We offer PCR tubes with certified quality standards. Convince yourself and contact us for free testing!

0.1 ml PCR Tubes

0.1 ml PCR single tubes with flat caps (1000)
Cat. No.: FG-011F

0.1 ml PCR 8-well strips and flat cap strips (120)
Cat. No.: FG-017FC

FastGene® PCR Tubes

0.1 ml PCR 8-well strips with single flat caps (120)
Cat. No.: FG-018WF

0.1 ml flat cap strips (120)
Cat.No.: FG-008FCP

0.1 ml PCR 8-well white tube strips with flat cap strips (125)
Cat. No.: FG-019FC

0.1 ml PCR 8-well strips (120)
Cat. No.: FG-018

0.2 ml PCR Tubes

0.2 ml PCR single tubes with flat caps (1000)
Cat. No.: FG-021F

0.2 ml PCR single tubes with domed caps (1000)
Cat. No.: FG-021D

0.2 ml PCR 8-well strips with single flat caps (120)
Cat. No.: FG-088WF

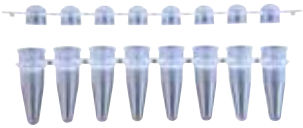
0.2 ml PCR 8-well strips with single domed caps (120)
Cat. No.: FG-088WD

0.2 ml PCR 8-well strips without caps (120)
Cat. No.: FG-028

0.2 ml flat cap strips (120)
Cat.No.: FG-008FC

0.2 ml domed cap strips (120)
Cat.No.: FG-008DC

0.2 ml PCR 8-well strips and flat cap strips (120)
Cat. No.: FG-016FC



0.2 ml PCR 8-well strips and domed cap strips (120)
Cat. No.: FG-016DC

Application

Comparing PCR tubes for Multiplex Probe-based Assay on a Rotor-Gene® Q

Product	FastGene® 0.2 ml PCR tubes with flat caps (FG-021F)
Manufacturer	NIPPON Genetics EUROPE

The following data is kindly provided by Dr. Birgit Klinkert, ARDEYPHARM GmbH, Herdecke, Germany

Background

The detection of the non-pathogenic *Escherichia coli* strain Nissle 1917 (EcN) in stool samples is standardly performed in this laboratory using strain specific TaqMan® Probes. Here, the signal of the manufacturer's original plastic was compared to the FastGene® PCR Tubes from NIPPON Genetics EUROPE.

Method

- PCR tubes

1) FastGene® 0.2 ml PCR tubes with flat caps (Cat. No.: FG-021F)
2) Original 0.2 ml Rotor-Gene® tubes (Cat. No.: 981005)

- qPCR Instrument

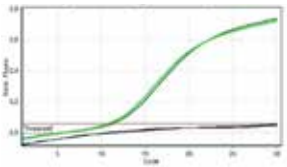
QIAGEN® Rotor-Gene® Q Mdx 5plex

- Probes-labels

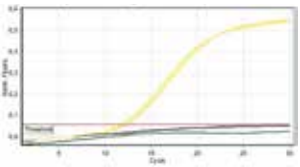
1) FAM™ (green channel) - Reporter primer designed to detect specific EcN plasmids
2) HEX (yellow channel) - Reporter primer designed to detect specific EcN plasmids
3) ROX™ (orange channel) - Reporter primer designed to detect specific regions in the EcN genome
4) Cy5 (red channel) - Reporter primer as a positive PCR control and designed to detect common enterobacteriae sequences

Results

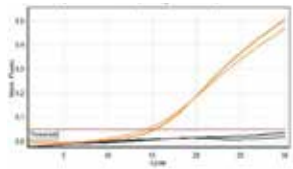
1) FAM™ - Probe (green channel)



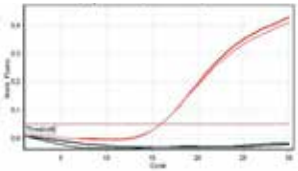
2) HEX-Probe (yellow channel)



1) ROX™ - Probe (orange channel)



2) Cy5 - Probe (red channel)



Customers comment

Dr. Birgit Klinkert:

The lid of the FastGene® 0.2 ml PCR tubes are different from the original. Nonetheless, the lock mechanism of the Rotor-Gene® Q Mdx worked perfectly with them. The fluorescence of the probes in the reaction are measured at the tip of the tubes. We can recommend to replace the original tubes for the here tested fluorescent probes without any restriction.