

**NIPPON GENE**

DNA Extraction kit from fecal sample

ISOSPIN Fecal DNA

**Made in
Japan**

ISOSPIN Fecal DNA is for extracting DNA from fecal sample using spin column. By combining an extraction solution optimized for feces and bead beating, it is possible to extract DNA from microorganisms that have strong cell walls such as gram-positive bacteria.

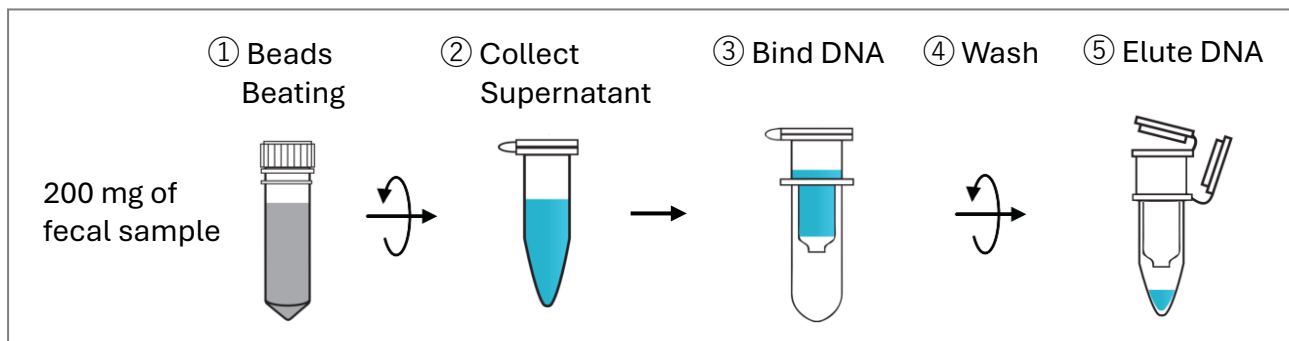
This Kit has adopted by many customers, including the Japan Microbiome Consortium (JMBC).

■ Features

- High quality DNA for intestinal bacterial flora analysis (NGS).
- Rapid isolation DNA at 30~60 mins.
- Extraction from gram-positive bacteria
- No required Organic solvent.



■ Simple Protocol



***To use this Kit, beads beater that compatible with 2 ml tubes is required.**

Code No.	Product	Size	Price
315-08621	ISOSPIN Fecal DNA	50 preps	Inquire

【Manufacturer】

NIPPON GENE CO., LTD.

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■ Experimental data① Detection of *Bifidobacterium* spp. by qPCR

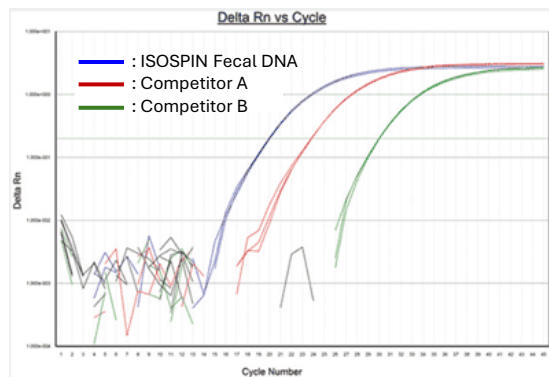
Differences in extraction efficiency among DNA extraction kits from different companies were compared by qPCR.

DNA extraction Kit : ISOSPIN Fecal DNA , Competitor A and B
 Sample amount : 0.2 g of human feces
 Template amount : 5 ng of DNA
 qPCR Master Mix : DirectAce qPCR Mix plus ROX Tube (318-07751)

【Result】

The lowest Ct value was observed when DNA extracted with ISOSPIN Fecal DNA was used as a template.

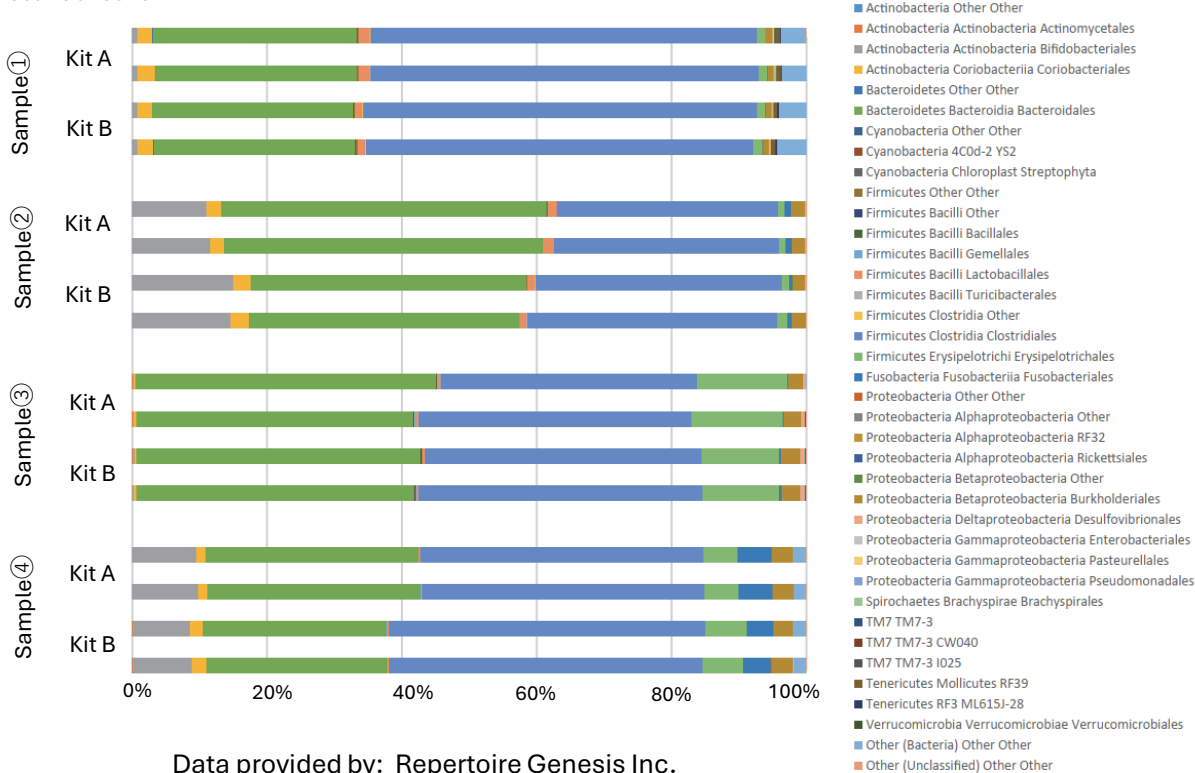
This suggests that ISOSPIN Fecal DNA can efficiently extract DNA from Gram-positive bacteria such as *Bifidobacterium* in human feces.



■ Experimental data② 16S rRNA bacterial flora analysis

It performed bacterial flora analysis of DNA extracted from human feces using ISOSPIN Fecal DNA. To confirm reproducibility between fecal collection kit, samples stored with 2 kinds of fecal collection kits were used.

Fecal Collection kit



【Result】

The DNA extracted with ISOSPIN Fecal DNA was used to perform bacterial flora analysis using a next-generation sequencer. Highly reproducible results were obtained between two kinds of fecal collection kits.