

# Microbial Genomic DNA

Strain: JCM 1717<sup>T</sup>  
Organism: *Lactobacillus murinus* 313

RIKEN DNA Bank catalog #  
JGD 06238  
Lot # : 070808

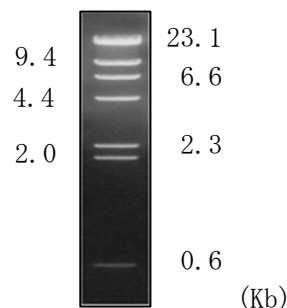
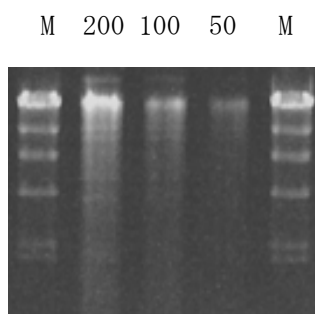
Final concentration : 40 ng/ul  
Shipping amount : 50 ul

## 1. Electrophoresis of Genomic DNA

Date : 2010/7/28

Electrophoresis : 1% agarose gel, 1x TAE buffer  
Loading DNA amount : 200, 100, and 50 ng/lane  
Size marker : Lambda/HindIII (200 ng/lane)

Marker  
Lambda/HindIII  
(NEB#N3012S)



## 2. PCR Amplification

Date : 2010/8/4

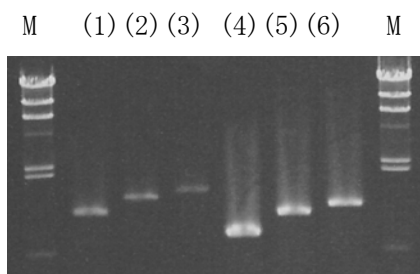
Conditions of PCR (16S ribosomal RNA genes)

Template : 100 fold diluted DNA, 1 ul  
Enzyme : KOD Plus (Toyobo)  
Volume : 20 ul

Reaction program: 94 degC 2 min  
x30 cycle ( 94 degC 15 sec )  
( 60 degC 30 sec )  
( 68 degC 60 sec )  
68 degC 2 min

PCR primers

Eubacteria set	
EB-20F	5' AGTTTGATCCTGGCTC 3'
EB-350F	5' TACGGGAGGCAGCAG 3'
EB-1100R	5' AGGGTTGCGCTCGTTG 3'
EB-1400R	5' ACGGCGGTTGTGTAC 3'
EB-1530R	5' AAGGAGGTGATCCAGCC 3'



Sample Number

	EB-20F	EB-350F
EB-1100R	(1)	(4)
EB-1400R	(2)	(5)
EB-1530R	(3)	(6)

Electrophoresis : 1% agarose gel, 1x TAE buffer  
Loading DNA amount : 5 ul PCR product/lane  
Size marker : Lambda/HindIII (200 ng/lane)