

# Microbial Genomic DNA

Strain: JCM 13406T  
Organism: *Parabacteroides johnsonii*

RIKEN DNA Bank catalog #

JGD 12741

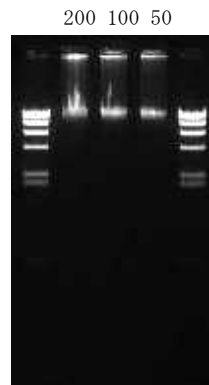
Lot # : 12741\_A4D4

Final concentration	50	ng/ul
Shipping amount	20	ul

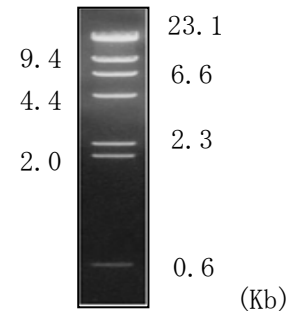
## 1. Electrophoresis of Genomic DNA

Date : 2014/4/21

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

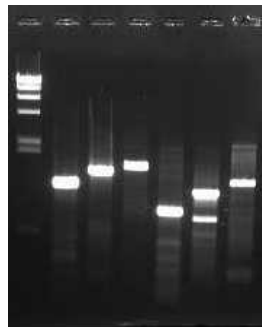
Date : 2014/4/22

Conditions of PCR ribosomal RNA (rRNA) gene

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

(1) (2) (3) (4) (5) (6)



PCR primers

16S rRNA Eubacteria set	
EB-20F	5' AGTTTGATCCTGGCTC 3'
EB-350F	5' TACGGGAGGCAGCAG 3'
EB-1100R	5' AGGGTTGCGCTCGTTG 3'
EB-1400R	5' ACGGGCGGTGTGTAC 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)

## 3. Nucleotide sequence of rRNA gene

 Confirmed date : 2014/4/22