

Microbial Genomic DNA

Strain: JCM 7638

Organism: *Lactococcus lactis subsp. lactis*

RIKEN DNA Bank catalog #

JGD 12553

Lot # : 12553_A3K8

1. Shipping

Volume: 250 ul

2. Concentration of Genomic DNA

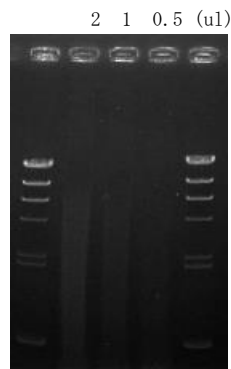
Concentration (OD₂₆₀) : 41.8 ng/ulA₂₆₀/A₂₈₀ : 1.87

3. Electrophoresis of Genomic DNA

Date : 2015/9/14

Electrophoresis : 1% agarose gel, 1x TAE buffer
 Loading DNA amount : 2, 1, 0.5 ul/lane
 Size marker : Lambda/HindIII (200 ng/lane)

Marker
 Lambda/HindIII
 (NEB#N3012S)



23.1
 9.4
 6.6
 4.4
 2.3
 2.0
 0.6
 (Kb)

4. PCR Amplification

Date : 2015/9/15

Conditions of PCR ribosomal RNA (rRNA) gene

Template : 100 fold diluted DNA, 1 ul

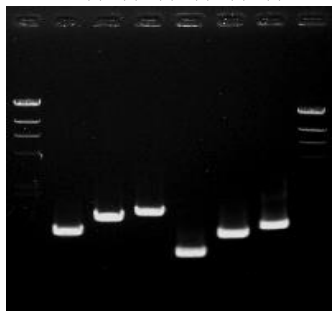
Enzyme : KOD Plus (Toyobo)

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)



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

PCR primers

16S rRNA Eubacteria set	
EB-20F	5' AGTTTGATCCTGGCTC 3'
EB-350F	5' TACGGGAGGCAGCAG 3'
EB-1100R	5' AGGGTTGCGCTCGTTG 3'
EB-1400R	5' ACGGCGGTGTGTAC 3'
EB-1530R	5' AAGGAGGTGATCCAGCC 3'

Sample Number

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

5. Nucleotide sequence of rRNA gene

 Confirmed date : 2015/9/28