

Microbial Genomic DNA

Strain : **JCM 5176**
Organism : ***Streptococcus sobrinus***

RIKEN DNA Bank catalog #
JGD : **08352**
Lot # : **14581_A7B6**

1. Shipping

Volume : **50** uL

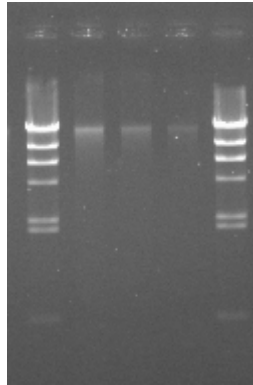
2. Concentration of Genomic DNA

Concentration (OD 260) : **151** ng/uL
A260 / A280 : **1.58**

3. Electrophoresis of Genomic DNA

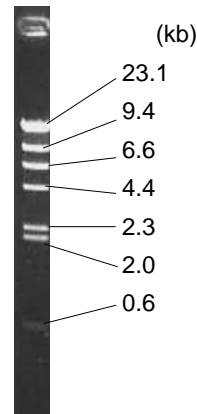
Electrophoresis : 1% agarose gel, 1x TAE buffer
Loading DNA amount : **2,1,0.5** uL/lane
size marker : Lambda / HindIII (200 ng/Lane)

2,1,0.5 (uL)



Date : **2017/3/2**

Marker (Lambda / HindIII, NEB#3012S)



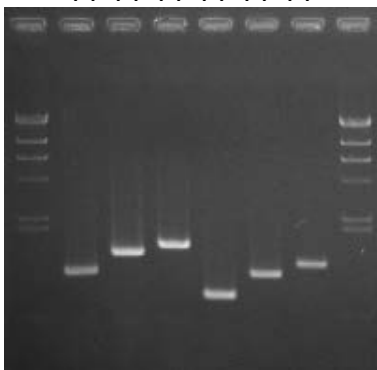
4. PCR Amplification

Conditions of PCR Ribosomal RNA (rRNA) gene

Templete : 100 fold diluted DNA, 1 uL
Enzyme : KOD plus (TOYOBO)
Volume : 20 uL

Reaction program :
94 degC 2 min
x 30 cycle [94 degC 15 sec
60 degC 30 sec
68 degC 60 sec
68 degC 2 min]

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



Date : **2017/3/2**

PCR primers for 16S rRNA

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 : 3 uL PCR product/Lane
Size marker : Lambda / HindIII (200ng/Lane)

5. Nucleotide sequence of rRNA gene

Confirmed Date : **2017/3/3**