

Microbial Genomic DNA

Strain : **JCM 10545^T**
 Organism : ***Sulfolobus tokodaii***

RIKEN DNA Bank catalog #

JGD : **07500**Lot # : **13018_B3Fn**

1. Shipping

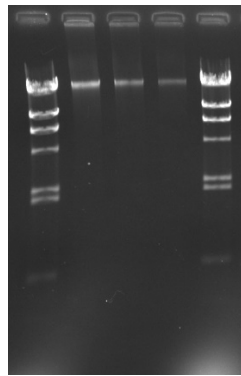
Volume : **45** uL

2. Concentration of Genomic DNA

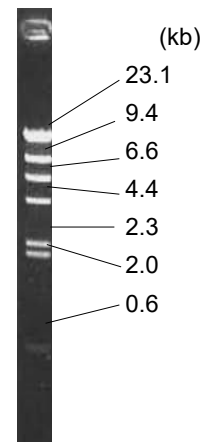
Concentration (OD 260) : **48** ng/uL
 A260 / A280 : **1.92**

3. Electrophoresis of Genomic DNA

Electrophoresis : 1% agarose gel, 1x TAE buffer
 Loading DNA amount : 2.0, 1.0, 0.5 uL/lane
 size marker : Lambda / HindIII (200 ng/Lane)
2.0, 1.0, 0.5 (uL)

Date : **2023/6/27**

Marker (Lambda / HindIII, NEB#3012S)

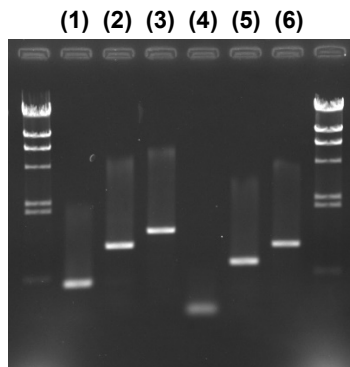


4. PCR Amplification

Conditions of PCR Ribosomal RNA (rRNA) gene
 Template : 100 fold diluted DNA, 1 uL
 Enzyme : KOD plus (TOYOBO)
 Volume : 20 uL

Reaction program :
 x 30 cycle

94 degC	2 min
94 degC	15 sec
60 degC	30 sec
68 degC	60 sec
68 degC	2 min

Date : **2023/6/27**

PCR primers for rRNA gene

A-20F	5'- TCCGGTTGATCCTGCCG -3'
A-340F	5'- CCCAGGCCCTACGGG -3'
A-520R	5'- GTATTACCGCGGCGGCTG -3'
A-1100R	5'- CGGGTCTCGCTCGTT -3'
A-1400R	5'- GACGGGCGGTGTGTGC -3'

Reference: Please visit online-manual site below.

http://dna.brc.riken.jp/en/manualen/manual_genom_dna

Sample Number

	A-20F	A-340F
A-520R	(1)	(4)
A-1100R	(2)	(5)
A-1400R	(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 : **2017/11/1**(as original lot stock)