

Microbial Genomic DNA

RIKEN DNA Bank catalog #

JGD : **12781**Lot # : **19362_B1Jr**Strain : **JCM 13030**Organism : ***Methanococcus maripaludis***

1. Shipping

Volume : **50** uL

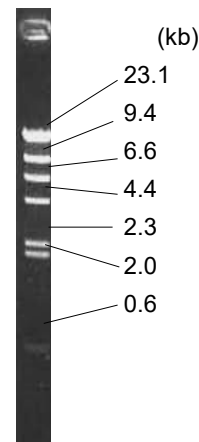
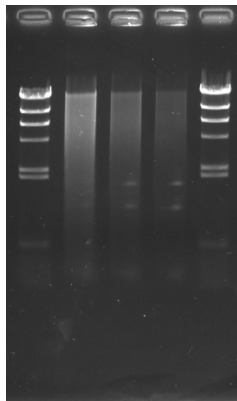
2. Concentration of Genomic DNA

Concentration (OD 260) : **214** ng/uL
A260 / A280 : **1.90**

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)Date : **2021/11/30**

Marker (Lambda / HindIII, NEB#3012S)

2.0, 1.0, 0.5 (uL)Date : **2021/11/30**

4. PCR Amplification

Conditions of PCR Ribosomal RNA (rRNA) gene

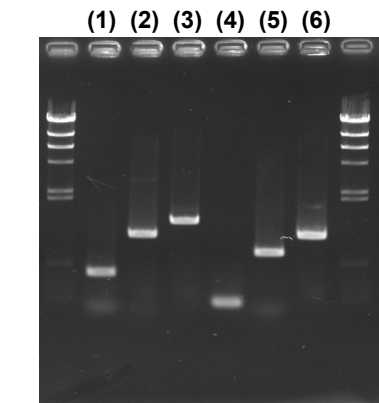
Template : 100 fold diluted DNA, 1 uL
Enzyme : KOD plus (TOYOBO)
Volume : 20 uLReaction program :
x 30 cycle

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

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 : **2021/12/1**