

Microbial Genomic DNA

RIKEN DNA Bank catalog #

JGD : **20557**Strain : **JCM 15797^T**Lot # : **20557_B5A1**Organism : ***Methanobacterium kanagiense***

1. Shipping

Volume : **20** uL

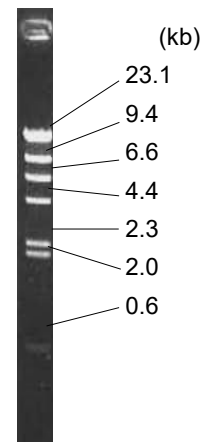
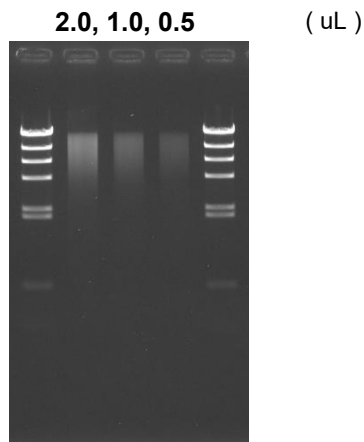
2. Concentration of Genomic DNA

Concentration (OD 260) : **41** ng/uL
A260 / A280 : **2.00**

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 : **2025/10/14**

Marker (Lambda / HindIII, NEB#3012S)



4. PCR Amplification

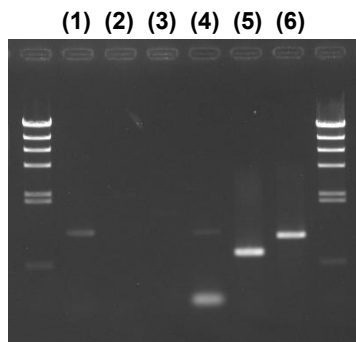
Conditions of PCR Ribosomal RNA (rRNA) gene

Templete : 100 fold diluted DNA, 1 uL
Enzyme : KOD plus (TOYOBO)
Volume : 20 uLReaction program :
94 degC 2 min
x 30 cycle [94 degC 15 sec
60 degC 30 sec
68 degC 60 sec]
68 degC 2 minDate : **2025/10/14**

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'- GACGGCGGTGTGTGC -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 : **2025/10/15**