

Microbial Genomic DNA

Strain : **JCM 22323**
Organism : ***Aspergillus sp.***

RIKEN DNA Bank catalog #
JGD : **15707**
Lot # : **15707_A7L7**

1. Shipping

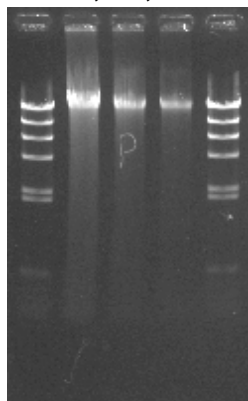
Volume : **20** uL

2. Concentration of Genomic DNA

Concentration (OD 260) : **225** ng/uL
A260 / A280 : **1.89**

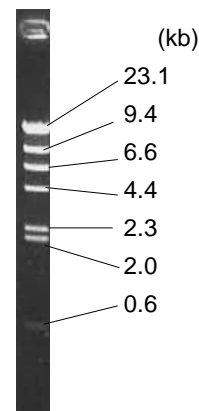
3. Electrophoresis of Genomic DNA

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 : **2018/1/11**

Marker (Lambda / HindIII, NEB#3012S)

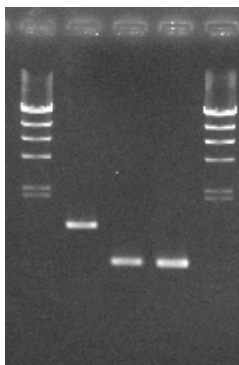


4. PCR Amplification

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

Reaction program :
94 degC 2 min
x 30 cycle $\left[\begin{array}{ll} 94 \text{ degC} & 15 \text{ sec} \\ 60 \text{ degC} & 30 \text{ sec} \\ 68 \text{ degC} & 60 \text{ sec} \end{array} \right]$
68 degC 2 min

(1) (2) (3)



Date : **2018/1/9**

PCR primers for rRNA gene

ITS5	5'- GGAAGTAAAAGTCGTAACAAGG -3'
ITS4	5'- TCCTCCGCTTATTGATATGC -3'
NL1	5'- GCATATCAATAAGCGGAGGAAAAG -3'
NL4	5'- GGTCCGTGTTTCAAGACGG -3'
-	-

Sample Number

	ITS5	NL1
NL4	(1)	(3)
ITS4	(2)	-
-	-	-

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 : **2018/1/11**