

Microbial Genomic DNA

Strain : **JCM 11502**
Organism : ***Fusarium oxysporum***

RIKEN DNA Bank catalog #
JGD : **13821**
Lot # : **13821_A7Ka**

1. Shipping

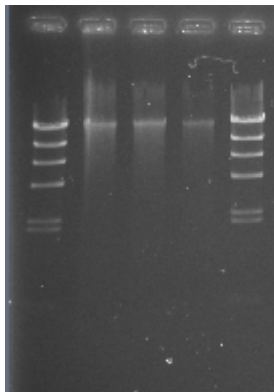
Volume : **20** μ L

2. Concentration of Genomic DNA

Concentration (OD 260) : **204** ng/ μ L
A260 / A280 : **1.88**

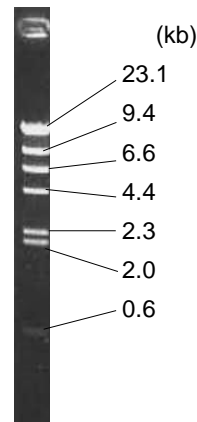
3. Electrophoresis of Genomic DNA

Electrophoresis : 1% agarose gel, 1x TAE buffer
Loading DNA amount : **1.0, 0.5, 0.25** μ L/lane
size marker : Lambda / HindIII (200 ng/Lane)
1.0, 0.5, 0.25 (μ L)



Date : **2017/11/13**

Marker (Lambda / HindIII, NEB#3012S)



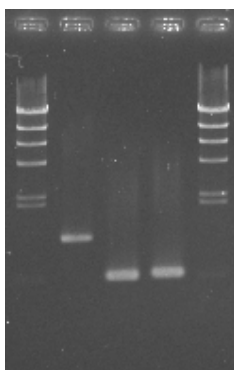
4. PCR Amplification

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

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

(1) (2) (3)



Date : **2017/11/13**

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 μ L PCR product/Lane
Size marker : Lambda / HindIII (200ng/Lane)

5. Nucleotide sequence of rRNA gene

Confirmed Date : **2017/11/14**