

# Microbial Genomic DNA

Strain : **JCM 22299**  
Organism : ***Aspergillus sp.***

RIKEN DNA Bank catalog #  
JGD : **15709**  
Lot # : **15709\_A7L7**

## 1. Shipping

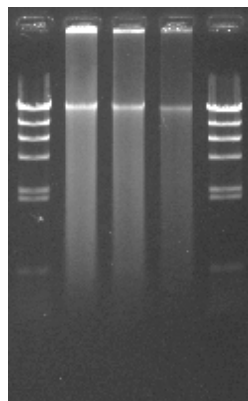
Volume : **30** uL

## 2. Concentration of Genomic DNA

Concentration ( OD 260 ) : **161** ng/uL  
A260 / A280 : **1.91**

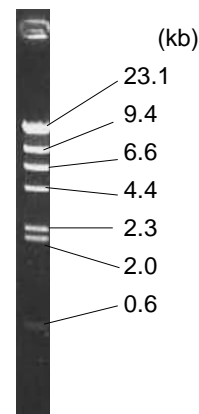
## 3. Electrophoresis of Genomic DNA

Electrophoresis : 1% agarose gel, 1x TAE buffer  
Loading DNA amount : **4.0, 2.0, 1.0** uL/lane  
size marker : Lambda / HindIII ( 200 ng/Lane )  
**4.0, 2.0, 1.0** ( uL )



Date : **2018/1/11**

Marker ( Lambda / HindIII, NEB#3012S )



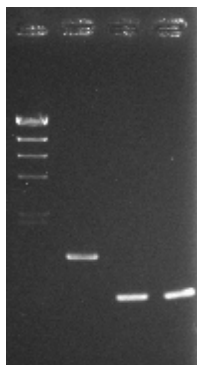
## 4. PCR Amplification

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

Reaction program :  
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 : **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**