

Microbial Genomic DNA

RIKEN DNA Bank catalog #

JGD : **17908**Strain : **JCM 10252**Lot # : **18650_B1Ad**Organism : ***Aspergillus flavus var. flavus***

1. Shipping

Volume : **20** uL

2. Concentration of Genomic DNA

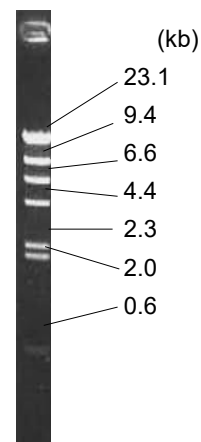
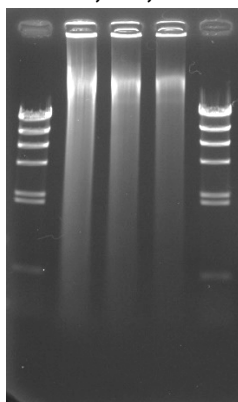
Concentration (OD 260) : **1060** ng/uL
 A260 / A280 : **1.93**

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 : **2021/2/12**

Marker (Lambda / HindIII, NEB#3012S)

2.0, 1.0, 0.5 (uL)

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

Date : **2021/2/12**

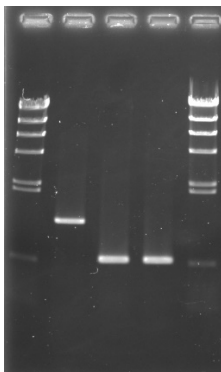
PCR primers for rRNA gene

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

Reference: Please visit online-manual site below.

http://dna.brc.riken.jp/en/manualen/manual_genom_dna

(1) (2) (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 : **2021/2/15**