

Microbial Genomic DNA

RIKEN DNA Bank catalog #

JGD : **13882**Strain : **JCM 3685**Lot # : **13882_B4Kc**Organism : ***Cryptococcus uniguttulatus***

1. Shipping

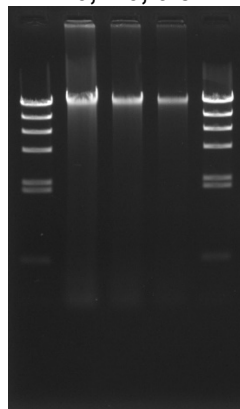
Volume : **20** uL

2. Concentration of Genomic DNA

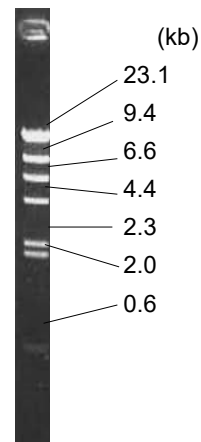
Concentration (OD 260) : **194** ng/uL
 A260 / A280 : **2.04**

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 : **2025/2/6**

Marker (Lambda / HindIII, NEB#3012S)

Date : **2025/2/6**

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 $\left[\begin{array}{ll} 94 \text{ degC} & 2 \text{ min} \\ 94 \text{ degC} & 15 \text{ sec} \\ 60 \text{ degC} & 30 \text{ sec} \\ 68 \text{ degC} & 60 \text{ sec} \\ 68 \text{ degC} & 2 \text{ min} \end{array} \right.$

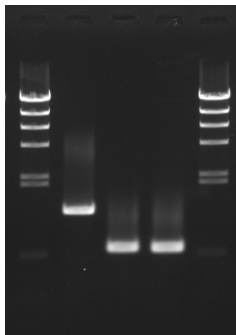
PCR primers for rRNA gene

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 : **2025/2/7**