

# Microbial Genomic DNA

Strain: JCM 15510T  
Organism: *Desulfovibrio africanus*

RIKEN DNA Bank catalog #

JGD 12099

Lot # :12099-A3Cb

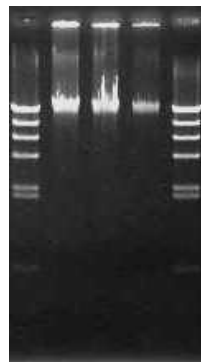
Final concentration: 10 ng/ul

Shipping amount: 100 ul

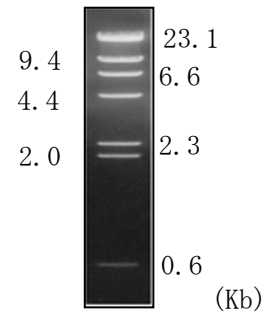
## 1. Electrophoresis of Genomic DNA

Date : 2013/4/17

Electrophoresis : 1% agarose gel, 1x TAE buffer  
Loading DNA amount : 200, 100 and 50 ng/lane  
Size marker : Lambda/HindIII (200 ng/lane)



Marker  
Lambda/HindIII  
(NEB#N3012S)



## 2. PCR Amplification

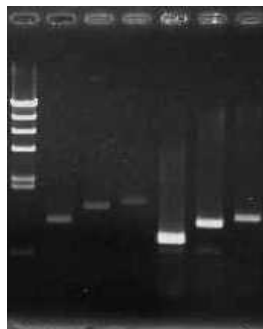
Date : 2013/4/17

Conditions of PCR ribosomal RNA (rRNA) gene

Template : 1 ul  
Enzyme : KOD Plus (Toyobo)  
Volume : 20 ul

Reaction program: 94 degC 2 min  
x30 cycle  $\left\{ \begin{array}{l} 94 \text{ degC } 15 \text{ sec} \\ 60 \text{ degC } 30 \text{ sec} \\ 68 \text{ degC } 60 \text{ sec} \\ 68 \text{ degC } 2 \text{ min} \end{array} \right.$

(1) (2) (3) (4) (5) (6)



PCR primers

| 16S rRNA Eubacteria set |                         |
|-------------------------|-------------------------|
| EB-20F                  | 5' AGTTTGATCCTGGCTC 3'  |
| EB-350F                 | 5' TACGGGAGGCAGCAG 3'   |
| EB-1100R                | 5' AGGTTGCGCTCGTTG 3'   |
| EB-1400R                | 5' ACGGGCGGTGTGTAC 3'   |
| EB-1530R                | 5' AAGGAGGTGATCCAGCC 3' |

Sample Number

|          | EB-20F | EB-350F |
|----------|--------|---------|
| EB-1100R | (1)    | (4)     |
| EB-1400R | (2)    | (5)     |
| EB-1530R | (3)    | (6)     |

Electrophoresis : 1% agarose gel, 1x TAE buffer  
Loading DNA amount : 5 ul PCR product/lane  
Size marker : Lambda/HindIII (200 ng/lane)

## 3. Nucleotide sequence of rRNA gene

 Confirmed date : 2013/4/22