

# Microbial Genomic DNA

Strain : **JCM 12887**  
Organism : ***Janibacter terrae***

RIKEN DNA Bank catalog #  
JGD : **12696**  
Lot # : **12696\_A3K8**

## 1. Shipping

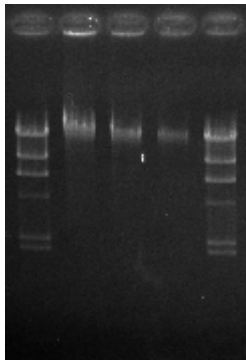
Volume : **20** uL

## 2. Concentration of Genomic DNA

Concentration ( OD 260 ) : **127** ng/uL  
A260 / A280 : **1.92**

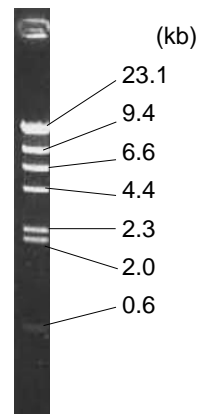
## 3. Electrophoresis of Genomic DNA

Electrophoresis : 1% agarose gel, 1x TAE buffer  
Loading DNA amount : **2,1,0.5** uL/lane  
size marker : Lambda / HindIII ( 200 ng/Lane )  
**2,1,0.5** ( uL )



Date : **2017/2/3**

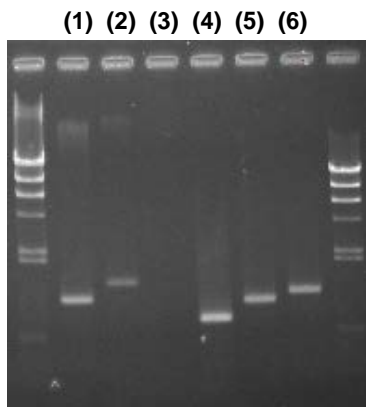
Marker ( Lambda / HindIII, NEB#3012S )



## 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 :  
94 degC 2 min  
x 30 cycle [ 94 degC 15 sec  
60 degC 30 sec  
68 degC 60 sec ]  
68 degC 2 min



Date : **2017/2/8**

### PCR primers for 16S rRNA

EB-20F	5'- AGTTTGATCCTGGCTC -3'
EB-350F	5'- TACGGGAGGCAGCAG -3'
EB-1100R	5'- AGGGTTGCGCTCGTTG -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 : 3 uL PCR product/Lane  
Size marker : Lambda / HindIII ( 200ng/Lane )

## 5. Nucleotide sequence of rRNA gene

Confirmed Date : **2017/2/9**