

# Microbial Genomic DNA

RIKEN DNA Bank catalog #

JGD : **07545**Strain : **JCM 10190**Lot # : **07545\_A6De**Organism : ***Zymomonas mobilis subsp. mobilis***

## 1. Shipping

Volume : **30** uL

## 2. Concentration of Genomic DNA

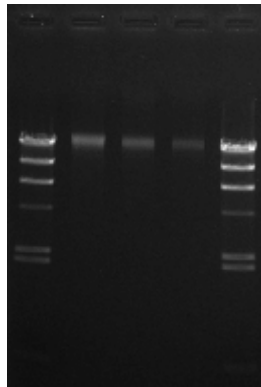
Concentration ( OD 260 ) : **80** ng/uLA260 / A280 : **2.01**

## 3. Electrophoresis of Genomic DNA

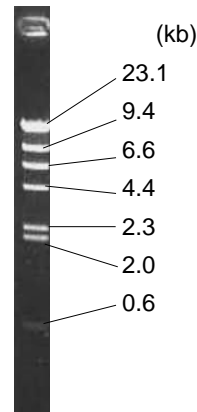
Electrophoresis : 1% agarose gel, 1x TAE buffer

Loading DNA amount : **2, 1, 0.5** uL/lane

size marker : Lambda / HindIII ( 200 ng/Lane )

**2, 1, 0.5** ( uL )Date : **2016/4/18**

Marker ( Lambda / HindIII, NEB#3012S )



## 4. PCR Amplification

Conditions of PCR Ribosomal RNA ( rRNA ) gene

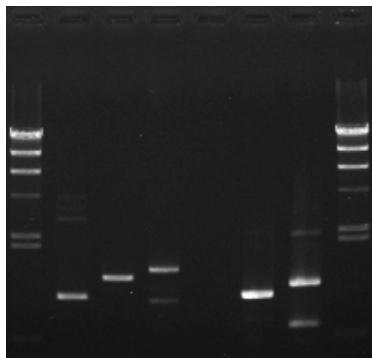
Template : 100 fold diluted DNA, 1 uL

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

**(1) (2) (3) (4) (5) (6)**Date : **2016/4/18**

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	<b>(1)</b>	<b>(4)</b>
EB-1400R	<b>(2)</b>	<b>(5)</b>
EB-1530R	<b>(3)</b>	<b>(6)</b>

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 : **2016/4/19**