

### Data Sheet of Living Modified Organism

Scientific Name :

Should be confirmed by :

PCR                      others (                      )

**PCR Condition Data Sheet**

Please send any information such as sequence of construct or restriction map if available. Providing with the positive control DNA (including plasmid) is highly appreciated.

reaction mixtures	tube 1	tube 2	cycling condition	
DW	μl	μl	94 °C	min
×Buffer	μl	μl	94 °C	min
mM dNTP	μl	μl	°C	min
primer #1 pmol/μl	μl	μl	72 °C	min
Primer #2 pmol/μl	μl	μl	72 °C	min
primer #3 pmol/μl	μl	μl		
primer #4 pmol/μl	μl	μl		
mM MgCl <sub>2</sub>	μl	μl		
Taq polymerase ( U/μl)	μl	μl		
DNA	μl	μl		
total	μl	μl		

} × cycle

Taq product name (company)

primer #1 name		( mer)
sequence 5'		3'
primer #2 name		( mer)
sequence 5'		3'
primer #3 name		( mer)
sequence 5'		3'
primer #4 name		( mer)
sequence 5'		3'

primer set		product size	wild or mutant band
primer #1	⇔ primer #	bp	
primer #	⇔ primer #	bp	

Construction map, electrophoretogram, and other information :

[Example]

PCR Condition Data Sheet

reaction mixtures	tube 1		tube 2		cycling condition			
DW	4.8	μl		μl	94	°C	300	min
2 × Buffer	9.4	μl		μl	94	°C	30	min
2.5 mM dNTP	2.0	μl		μl	57	°C	30	min
primer 1 10 pmol/μl	1.0	μl		μl	72	°C	120	min
Primer 2 10 pmol/μl	1.0	μl		μl	72	°C	300	min
primer 3		μl		μl	} × 34 cycle			
primer 4		μl		μl				
2.5 mM MgCl <sub>2</sub>	0.6	μl		μl				
Taq polymerase (5 U/μl)	0.2	μl		μl				
DNA	1.0	μl		μl				
total	20.0	μl		μl				

Taq product name (company)

EX Taq (TAKARA)

primer #1 name	LCB600	(21 mer)
sequence 5'	GTTTAAATTCCTTAAATTT	3'
primer #2 name	LCB601	(21 mer)
sequence 5'	AAAACCCCGGGGAAATTTTAA	3'
primer #3 name		( ) mer)
sequence 5'		3'
primer #4 name		( ) mer)
sequence 5'		3'

primer set		product size	wild or mutant band
primer #1	⇔ primer #2	120 bp	Mutant
primer #	⇔ primer #3	150 bp	wild

Construction map, electrophoretogram, and other information :

