

Mbo II

Cat. No.	용량	농도
DYR1610	300 units	5 units/μl
DYR1612	600 units	5 units/μl
DYR1614	1,500 units	5 units/μl
DYR1616	1,500 units	25 units/μl

◆ 제품구성

Mbo II
10X DY Buffer II
10X FastCut Buffer
Sterile water
Dyne 6X DNA Loading Buffer ver.2

◆ Source

· *Moraxella bovis*

◆ Quality control

- Unit definition assay
- Overdigestion assay
- Endonuclease assay
- Extreme purity assay

◆ 인식부위



Single letter code

W = A or T **S** = C or V = A or C or G
N = A or C or G or TG **M** = A or C
K = G or T **R** = A or G
Y = C or T **B** = C or G or T
D = A or G or T **H** = A or C or T

◆ 보관온도

· -20°C

◆ Heat inactivation

· 65°C for 20 min

◆ Unit정의

· 1 unit은 박테리오파지 λ DNA 1 μg을 50 μl 반응물로 37°C에서 1시간 동안 완전히 분해하는데 필요한 효소의 양이다.

◆ Buffer별 상대적 활성도

I	II	III	IV	FastCut
100%	100%	50%	100%	100%

◆ Methylation effect

Methylation	<i>dam</i>	<i>dcm</i>	CpG
Cleavage	Conditional	Cleavage	Cleavage

◆ 표준반응 조건

· Normal Protocol

Component	농도	Volume
Substrate DNA	1 μg	X μl
10X DY Buffer II	1 X	5 μl
Mbo II		Substrate dependent
Sterile water		Up to 50 μl

* Incubate at 37°C for 1 hr

· Fast Protocol

Component	농도	Volume
Substrate DNA	1 μg	X μl
10X FastCut Buffer	1 X	5 μl
Mbo II	5 unit	1 μl
Sterile water		Up to 50 μl

* Incubate at 37°C for 15 min