

BamH G^AGATCC 37°C 5–15

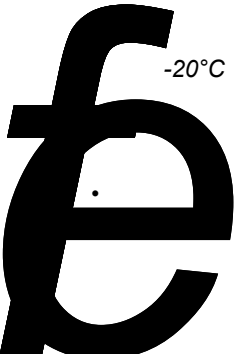
Digest *Digest* *Green* 100% *DNA* *Klenow* *T4 DNA*

DNA *DNA* *1X Digest Buffer* *1X Green Buffer*

T4 DNA 100% *Digest*

Green 1 2

	<i>E1031-A</i>	<i>E1031-B</i>
<i>BamH</i>	800 μL	500 μL × 5
10X <i>Digest Buffer</i>	1 mL × 2	1 mL × 5
10X <i>Green Buffer</i>	1 mL × 2	1 mL × 5



100%

Total volume	20 μ L	20 μ L	30 μ L	40 μ L	50 μ L
:	20 μ L	3-5 min			

λ DNA	Φ X174	pBR322	pUC57	pUC18/19	pTZ19R/U	M13mp18/19
5	0	1	1	1	1	1

Component	DNA	PCR	DNA
Nuclease-free Water	15 μ L	17 μ L	30 μ L
10X Buffer	2 μ L	2 μ L	5 μ L
10X Green Buffer			
DNA	2 μ L (up to 1 μ g)	10 μ L (~0.2 μ g)	10 μ L (5 μ g)
enzyme	1 μ L	1 μ L	5 μ L
Total volume	20 μ L	30 μ L	50 μ L

37°C 5
: 80°C 10 min

- 1/10
- 1 μ L
-

Component	20- μ L rxn	20- μ L rxn	30- μ L rxn	40- μ L rxn	50- μ L rxn
DNA	1 μ g	2 μ g	3 μ g	4 μ g	5 μ g
enzyme	1 μ L	2 μ L	3 μ L	4 μ L	5 μ L
10X Buffer	2 μ L	2 μ L	3 μ L	4 μ L	5 μ L
10X Green Buffer					