



## 10×BspQI Reaction Buffer

**Product Number: M062011B**

**Animal-free**

**Ampicillin-free**

### Shipping and Storage

At -20±5°C.

### Description

10×BspQI Reaction Buffer, GMP Grade is a matching reaction buffer for restriction endonuclease BspQI (M062011), formulated as 500mM Tris HCl (pH 7.9), 1000mM NaCl, 100mM MgCl<sub>2</sub>, 1mg/mL HSA.

This product is produced using pharmaceutical grade raw materials and strictly controls various types of pollution during the production process. It complies with GMP standards for product production and quality management, ensuring the traceability of the production process and all raw materials.

Item	Standard
Appearance	Clear liquid
Visible foreign objects	Compliant with regulations
PH	7.5-8.5
Residual endonuclease	The degradation of substrates does not exceed 10%
Residual exonuclease	The degradation of substrates does not exceed 10%
Bacterial endotoxin	<10EU/ml
Microbial limit	The total number of aerobic bacteria should not exceed 1cfu/10ml, and the total number of mold and yeast should not exceed 1cfu/10ml

### Complying to following regulations

1. ISO 9001:2015, certified facility.
2. 《GMP Appendix – Cellular therapeutic product》 National Medical Products Administration.
3. 《The Pandect of Genetic Therapeutic Product for Human》 Chinese Pharmacopoeia Commission.
4. USP Chapter <1043>, Ancillary Materials for Cell, Gene, and Tissue-Engineered Products.
5. USP Chapter <92>, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.
6. Ph. Eur. General Chapter 5.2.12, Raw Materials of Biological Origin for the Production of Cell-based and Gene Therapy Medicinal Products.

### Feature

This product is used for the restriction endonuclease BspQI cleavage reaction, providing suitable reaction conditions for it. The enzyme digestion reaction can be completed within 1-16 hours, and the reaction time can be selected according to the experimental arrangement. The enzyme digestion is fast and specific.

### Package

Component	M062011B
10×BspQI Reaction Buffer, GMP Grade	500µl
10×BspQI Reaction Buffer, GMP Grade	5ml
10×BspQI Reaction Buffer, GMP Grade	10ml
10×BspQI Reaction Buffer, GMP Grade	50ml
10×BspQI Reaction Buffer, GMP Grade	250ml

### Reaction system (50µl)

**For Research Use Only**



## Tinzyme Co., Limited

Email: [sales@tinzyme.com](mailto:sales@tinzyme.com)

Website: [www.tinzyme.com](http://www.tinzyme.com)

Tel: +86-755-86134126

WhatsApp/Facebook/Twitter: +86-189-22896756

Components	Quantity
10×BspQI Reaction Buffer, GMP Grade	5µl
Substrate DNA	1µg
BspQI, GMP Grade (10U/µl)	1µl
RNase Free Water	Up to 50µl

Incubate at 50°C for 1-16 hours, and the reaction time can be selected according to the experimental arrangement. The enzyme digestion is fast and specific, and the reaction can be terminated by incubating at 80°C for 20 minutes.

### Note

If the enzyme cleaved product is used as an in vitro transcription template, it is recommended to use it after purification.

### Related Products

Product Number	Product Name
GMP-M062	Vaccinia Capping Enzyme, GMP Grade
GMP-RI01	RNase Inhibitor, GMP Grade
GMP-M072	mRNA Cap 2'O Methyltransferase, GMP Grade
GMP-DI05	DNase I Recombinant GMP grade
E131	T7 High Yield RNA Transcription kit
GMP-M036	Pyrophosphatase, Inorganic (yeast), GMP Grade
GMP-T701	T7 RNA Polymerase, GMP Grade
M062011	BspQI
D1331	dATP 100mM solution
D2331	dGTP 100mM solution
D3331	dCTP 100mM solution
D4331	dTTP 100mM solution
N5331	N1-Me-Pseudo-UTP,100mM Solution