

High Quality Buffers for Life Science Research



Careful selection of reagents and buffers for optimal research results. Suitable for your various life science research needs:

Prepared from high quality raw materials in accordance with ISO13485:2016 and cGMP certified manufacturing and testing processes.



**Electrophoresis of
Nucleic Acids and Proteins**



**Isolation and Purification
of Biomolecules**



Cell and Tissue Culture



Ultra-pure Grade

Materials with a purity exceeding USP monographs. These include ready-to-use reagents of high quality suited for most laboratory applications, meeting requirements such as ultra-low levels of trace metal contaminants.



Biotechnology Grade

Materials with purity equivalent to ultra-pure grade and are ideal for molecular biology applications. This grade is primarily focused on tests for enzymatic, nuclease and bacterial impurities.

Suitable for Every Budget and Scale

- Freshly prepared finest and ultra-pure reagents suitable for biomolecular work
- Use of Type 1 water which ensures that reagents are contaminant-free
- Available in easy-to-use 500ml, 1-litre and 4-litre packaging
- Concentrated stock solutions for easy single step dilution
- Ready-to-use solutions for greatest time saving
- Readily available stock
- Customised formulation and packaging of reagents upon request
- Buffer sterilisation by 0.2um filtration and/ or autoclaving.



Water Matters

1st BASE uses Type I ultra-pure, clinical reagent lab water (CRLW) for the preparation of buffer. Ultrapure water is a necessity for applications such as HPLC, gas chromatography, cell culturing, tissue culturing, mass spectrometry and any endeavor involving trace elemental laboratory instrumentation, among others.



Water

Sterile Deionized Water	Biotechnology Grade	1L	BUF-4100-1L
DEPC Treated Water	Biotechnology Grade	200ml	BUF-1171-200ml
		1L	BUF-1171-1L
Water	Biotechnology Grade	100ml	BUF-1180-100ml
		500ml	BUF-1180-500ml
		1L	BUF-1180-1L



Buffers for Life Science Applications

EDTA Solution

0.1M, pH 7.4	Ultra-Pure Grade	500ml	BUF-1051-500ml-pH7.4
		1L	BUF-1051-1L-pH7.4
0.1M, pH 8.0	Ultra-Pure Grade	500ml	BUF-1051-500ml-pH8.0
		1L	BUF-1051-1L-pH8.0
0.5M, pH 8.0	Ultra-Pure Grade	500ml	BUF-1052-500ml-pH8.0
		1L	BUF-1052-1L-pH8.0
	Biotechnology Grade	100ml	BUF-1053-100ml-pH8.0
		1L	BUF-1053-1L-pH8.0

Tris Buffer

0.5M, pH 6.8	Ultra-Pure Grade	500ml	BUF-1414-500ml-pH6.8
		1L	BUF-1414-1L-pH6.8
0.5M, pH 7.0	Ultra-Pure Grade	500ml	BUF-1414-500ml-pH7.0
		1L	BUF-1414-1L-pH7.0
0.5M, pH 8.0	Ultra-Pure Grade	500ml	BUF-1414-500ml-pH8.0
		1L	BUF-1414-1L-pH8.0
0.5M, pH 8.8	Ultra-Pure Grade	500ml	BUF-1414-500ml-pH8.8
		1L	BUF-1414-1L-pH8.8
1.0M, pH 6.8	Ultra-Pure Grade	500ml	BUF-1415-500ml-pH6.8
		1L	BUF-1415-1L-pH6.8
1.0M, pH 7.0	Ultra-Pure Grade	500ml	BUF-1415-500ml-pH7.0
		1L	BUF-1415-1L-pH7.0
	Biotechnology Grade	1L	BUF-1416-1L-pH7.0
1.0M, pH 7.4	Ultra-Pure Grade	500ml	BUF-1415-500ml-pH7.4
		1L	BUF-1415-1L-pH7.4
1.0M, pH 7.5	Ultra-Pure Grade	500ml	BUF-1415-500ml-pH7.5
		1L	BUF-1415-1L-pH7.5
	Biotechnology Grade	1L	BUF-1416-1L-pH7.5
1.0M, pH 7.8	Ultra-Pure Grade	500ml	BUF-1415-500ml-pH7.8
		1L	BUF-1415-1L-pH7.8
1.0M, pH 8.0	Ultra-Pure Grade	500ml	BUF-1415-500ml-pH8.0
		1L	BUF-1415-1L-pH8.0
	Biotechnology Grade	500ml	BUF-1416-500ml-pH8.0
1L		BUF-1416-1L-pH8.0	
1.0M, pH 8.8	Ultra-Pure Grade	500ml	BUF-1415-500ml-pH8.8
		1L	BUF-1415-1L-pH8.8
	Biotechnology Grade	500ml	BUF-1416-500ml-pH8.8
1L		BUF-1416-1L-pH8.8	
1.5M, pH 6.8	Ultra-Pure Grade	1L	BUF-1419-1L-pH6.8
1.5M, pH 7.0	Ultra-Pure Grade	1L	BUF-1419-1L-pH7.0
1.5M, pH 8.0	Ultra-Pure Grade	1L	BUF-1419-1L-pH8.0
1.5M, pH 8.8	Ultra-Pure Grade	1L	BUF-1419-1L-pH8.8

HEPES Buffer Solution	1.0M, pH 7.5	Biotechnology Grade	100ml	BUF-1822-100ml-pH7.5
			500ml	BUF-1822-500ml-pH7.5
			1L	BUF-1822-1L-pH7.5

Phosphate-Buffered Saline (PBS)	1X	Ultra-Pure Grade	500ml	BUF-2040-1X500ml	
			1L	BUF-2040-1X1L	
		Biotechnology Grade	500ml	BUF-2041-1x500ml	
			1L	BUF-2041-1X1L	
	10X			500ml	BUF-2041-10x500ml
		Ultra-Pure Grade		1L	BUF-2040-10X1L
				4L	BUF-2040-10X4L
		Biotechnology Grade		500ml	BUF-2041-10x500ml
				1L	BUF-2041-10X1L
		Premixed Powder, 10X	Ultra-Pure Grade		1L
Premixed Powder, 10X, Satchet	Ultra-Pure Grade		1L	BUF-2049-10X1L	

Tris-EDTA Buffer (TE)	1X, pH 8.0	Ultra-Pure Grade	1L	BUF-3020-1X1L
	1X, pH 8.0	Biotechnology Grade	100ml	BUF-3024-1X100ml
			500ml	BUF-3024-1X500ml
	10X, pH 8.0	Ultra-Pure Grade	1L	BUF-3020-10X1L
			4L	BUF-3020-10X4L
	1X, pH 8.0, reduced EDTA	Ultra-Pure Grade	1L	BUF-3021-1X1L
10X, pH 8.0, reduced EDTA	Ultra-Pure Grade	1L	BUF-3021-10X1L	

Tris-Buffered Saline (TBS)	1X	Ultra-Pure Grade	1L	BUF-3030-1X1L
	10X	Ultra-Pure Grade	1L	BUF-3030-10X1L
			4L	BUF-3030-10X4L
	20X	Ultra-Pure Grade	1L	BUF-3030-20X1L
4L			BUF-3030-20X4L	

Buffers for Hybridization of Nucleic Acid

Saline Sodium Citrate Buffer (SSC)	1X	Biotechnology Grade	1L	BUF-3050-1X1L
	20X	Biotechnology Grade	1L	BUF-3050-20X1L
		Ultra-Pure Grade	1L	BUF-3051-20X1L

Sodium Sodium Phosphate EDTA Buffer (SSPE)	1X	Biotechnology Grade	1L	BUF-3060-1X1L
	20X	Biotechnology Grade	1L	BUF-3060-20X1L





Buffers for Protein Electrophoresis

Tris Tricine Buffer (TT)	10X	Ultra-Pure Grade	1L	BUF-2000-10X1L
Tris Tricine SDS Buffer (TT-SDS)	10X	Ultra-Pure Grade	1L	BUF-2010-10X1L
Tris Glycine Buffer (TG)	1X	Ultra-Pure Grade	1L	BUF-2020-1X1L
	10X	Ultra-Pure Grade	1L	BUF-2020-10X1L
			4L	BUF-2020-10X4L
Tris Glycine SDS Buffer (TG-SDS)	1X	Ultra-Pure Grade	1L	BUF-2030-1X1L
	5X	Ultra-Pure Grade	1L	BUF-2030-5X1L
	10X	Ultra-Pure Grade	1L	BUF-2030-10X1L
			4L	BUF-2030-10X4L
Sodium Dodecyl Sulfate Solution (SDS)	10% (w/v)	Biotechnology Grade	500ml	BUF-2051-500ml
			1L	BUF-2051-1L
	20% (w/v)	Biotechnology Grade	500ml	BUF-2052-500ml
			1L	BUF-2052-1L



Buffers for Nucleic Acid Analysis

Tris-Acetate-EDTA (TAE)	1X, pH 8.0	Ultra-Pure Grade	1L	BUF-3000-1X1L
		Biotechnology Grade	1L	BUF-3003-1X1L
	10X, pH 8.0	Ultra-Pure Grade	1L	BUF-3000-10X1L
		Biotechnology Grade	4L	BUF-3000-10X4L
			100ml	BUF-3003-10X100ml
			1L	BUF-3003-10X1L
	50X, pH 8.0	Ultra-Pure Grade	1L	BUF-3000-50X1L
			4L	BUF-3000-50X4L
	10X, pH 7.8	Ultra-Pure Grade	1L	BUF-3001-10X1L
	Premixed Powder, 10X	Ultra-Pure Grade	1L	BUF-3002-10X1L
Premixed Powder, 10X, Satchet	Ultra-Pure Grade	1L	BUF-3009-10X1L	
Tris-Borate-EDTA (TBE)	1X, pH 8.3	Ultra-Pure Grade	1L	BUF-3010-1X1L
			1L	BUF-3010-10X1L
			4L	BUF-3010-10X4L
	10X, pH 8.3	Biotechnology Grade	100ml	BUF-3013-10X100ml
			500ml	BUF-3013-10X500ml
			1L	BUF-3013-10X1L
	Premixed Powder, 10X	Ultra-Pure Grade	1L	BUF-3011-10X1L
	Premixed Powder, 10X, Satchet	Ultra-Pure Grade	1L	BUF-3019-10X1L



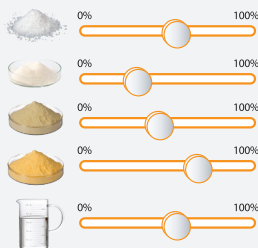
Other Salt Solutions

Sodium Chloride Solution	5.0M	Biotechnology Grade	500ml	BUF-1112-500ml
			1L	BUF-1112-1L
Sodium Hydroxide Solution	1.0M	Biotechnology Grade	500ml	BUF-1115-500ml
			1L	BUF-1115-1L
	3.0M	Ultra-Pure Grade	1L	BUF-1530-1L
Sodium Phosphate Buffer	1.0M, pH 7.0	Ultra-Pure Grade	500ml	BUF-1131-500ml-pH7.0
	1.0M, pH 8.0	Ultra-Pure Grade	500ml	BUF-1131-500ml-pH8.0
	0.1M, pH 7.0	Ultra-Pure Grade	500ml	BUF-1132-500ml-pH7.0
Sodium Acetate Solution	3.0M, pH 5.2	Biotechnology Grade	1L	BUF-1151-1L-pH5.2
Potassium Chloride Solution	3.0M	Biotechnology Grade	100ml	BUF-1310-100ml
			1L	BUF-1310-1L
Potassium Hydroxide Solution	1.0M	Ultra-Pure Grade	1L	BUF-1313-1L
Potassium Phosphate Buffer	1.0M, pH 8.0	Ultra-Pure Grade	1L	BUF-1550-1L-pH8.0

Customized Buffers

We offer customized formulations which are specific to your research needs, simply provide the following details:

- Buffer components, buffer recipes
- pH and concentration required
- Grade or application
- Packing size and order quantity



Custom Solutions & OEM Services

Besides our off-the-shelf buffer and bioreagents supply, we offer manufacturing solutions for client requiring bulk, OEM, ODM services.

- **Quality Management**
Assurance of our quality standards with our **ISO 13485: 2016** and **cGMP standards**.
- **Clean Room**
1st BASE facility offers ISO clean room capabilities for customers who need their product parts processed in a clean, controlled environment. Operational capacity of more than 1300sqm and 4 separate ISO Class 7 cleanrooms of over 270sqm.

We have an experienced team in OEM product development, formulation, aseptic processing, kit assembly and packaging. Our proficiency in the handling of many product types brings you a complete turnkey solution for your custom kitting, packaging and labelling needs.

Contact Us Today!



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