

Smart Choices

SmartBuffers Ordering Information

Product name	Pack size	Article no.	Product name	Pack size	Article no.
Borate Buffered Saline pH 8.2, 500 ml	100 tablets	09-2053-100	SSC 2x, pH 7.0, 1000 ml	5 pouches	12-9196-5
Buffered Sodium Citrate 100 ml	10 pouches	12-8480-10	SSC 20x, pH 7.0, 1000 ml	5 pouches	12-9195-5
Buffered Sodium Citrate 1000 ml	5 pouches	12-8483-5	Sodium Acetate pH 5.2, 1000 ml	5 pouches	12-9187-5
Carbonate-bicarbonate Azide	50 tablets	09-8932-50	Sodium Acetate pH 7.0, 1000 ml	5 pouches	12-9188-5
Carbonate-bicarbonate Azide	8 tablets*	09-8932-8	NaPi 0.02M, pH 7.0, 1000 ml	10 pouches	12-9527-10
Carbonate-bicarbonate 100 ml	100 tablets	09-8922-100	NaPi 0.02 M, pH 7.0, 5000 ml	10 pouches	12-9528-10
Carbonate-bicarbonate 100 ml	24 tablets*	09-8922-24	NaPi 0.1M, pH 6.5, 1000 ml	10 pouches	12-9529-10
Carbonate-bicarbonate 100 ml	8 tablets*	09-8922-8	NaPi 0.1M, pH 7.0, 1000 ml	10 pouches	12-9530-10
EDTA Buffer pH 8.0, 1000 ml	5 pouches	12-9160-5	NaPi 0.1M, pH 7.4, 1000 ml	10 pouches	12-9531-10
EDTA Buffer pH 8.0, 500 ml	5 pouches	12-9161-5	NaPi 1M, pH 6.5, 1000 ml	10 pouches	12-9184-10
Glycine-HCl pH 3.0, 1000 ml	10 pouches	12-9121-10	NaPi 1M, pH 7.2, 1000 ml	10 pouches	12-9185-10
PBS pH 7.2, 1000 ml	100 tablets	09-9499-100	SSPE pH 7.4, 200 ml	100 tablets	09-8952-100
PBS pH 7.4, 100 ml	100 tablets	09-2051-100	Tris-HCl pH 7.4, 1000 ml	10 pouches	12-9198-10
PBS pH 7.4, 200 ml	100 tablets	09-2052-100	Tris-HCl pH 8.0, 1000 ml	10 pouches	12-9199-10
PBS pH 7.4, 500 ml	100 tablets	09-8912-100	Tris-HCl pH 8.3, 1000 ml	10 pouches	12-9200-10
PBS pH 7.4, 500 ml	12 tablets*	09-8912-12	TBS pH 8.0, 1000 ml	10 pouches	12-9133-10
PBS pH 7.4, 1000 ml	10 tablets*	09-9400-10	TBS 10x, pH 8.0, 1000 ml	10 pouches	12-9134-10
PBS pH 7.4, 1000 ml	100 tablets	09-9400-100	TBS pH 7.6, 500 ml	100 tablets	09-7500-100
PBS pH 7.4, 10 l	1 pouch	12-9424-1	TBS pH 7.6, 500 ml	10 tablets*	09-7500-10
PBS pH 7.4, 25 l	1 pouch	12-9422-1	TBS-Tween pH 7.6, 500 ml	10 tablets*	09-7510-10
PBS pH 7.4, 50 l	1 pouch	12-9425-1	TBS-Tween pH 7.6, 500 ml	100 tablets	09-7510-100
PBS pH 7.4, 100 l	1 pouch	12-9426-1	TAE 50x, pH 8.3, 500 ml	5 pouches	12-9145-5
PBS 10x, pH 7.4, 1000 ml	5 pouches	12-9423-5	TAE 50x, pH 8.3, 1000 ml	5 pouches	12-9144-5
PBS no Potassium 0.02M, pH 7.4	100 tablets	09-9500-100	TBE pH 8.3, 1000 ml	10 pouches	12-9110-10
PBS no Potassium pH 7.4, 1000 ml	10 tablets*	09-9420-10	TBE 5x, pH 8.3, 1000 ml	10 pouches	12-9111-10
PBS no Potassium pH 7.4, 1000 ml	100 tablets	09-9420-100	TBE 10x, pH 8.3, 1000 ml	10 pouches	12-9112-10
PBS-Tween pH 7.4, 100 ml	100 tablets	09-8903-100	Tris-EDTA 10x, pH 7.4, 1000 ml	10 pouches	12-9154-10
PBS-Tween pH 7.4, 500 ml	100 tablets	09-8902-100	Tris-Glycine pH 8.3, 1000 ml	10 pouches	12-9122-10
PBS-Tween pH 7.4, 500 ml	12 tablets*	09-8902-12	Tris-Glycine pH 8.3, 5000 ml	10 pouches	12-9123-10
PBS-Tween pH 7.4, 1000 ml	100 tablets	09-9410-100	Tris-Glycine-SDS pH 8.3, 1000 ml	10 pouches	12-9222-10
PBS-Tween pH 7.4, 1000 ml	10 tablets	09-9410-10	Tris-Glycine-SDS pH 8.3, 5000 ml	10 pouches	12-9223-10
SSC 2x, pH 7.0, 100 ml	100 tablets	09-9501-100			

*Blister pack

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Why transport water when
 our buffers are more
 environmentally friendly?!

SmartBuffers Smart Solutions for Smart People



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Smart Solutions for You!

- Exactly pre-weighed buffers with pre-set pH
- Formulated from analytical grade chemicals
- Dissolve-and-go for greater convenience
- Guaranteed lot-to-lot reproducibility
- Stable at room temperature for 3 years
- Ideal for standardizing laboratory work
- Save space in stock rooms

SmartBuffers - Save Time and Money

Biological buffers used daily in research and clinical laboratories are critical for experimental success. However, preparing biological buffers is usually perceived as a tedious and time-consuming laboratory activity prone to many errors. Medicago specializes in the development and manufacture of high-quality, pre-made SmartBuffers that save valuable time in routine laboratory work while providing maintained or even increased precision. Don't waste time preparing your own buffer solutions, with Medicago SmartBuffers you can focus on your research.

SmartBuffers - Ultimate Convenience

SmartBuffers are supplied in exactly pre-weighed tablets or powder pouches with given concentration and pre-set pH. Just dissolve one SmartBuffer tablet or the contents of one pouch in the specified volume of deionized water, and you are ready-to-go in minutes. The ultimate convenience that eliminates calculation, formulation, weighing and pH adjustment errors.

SmartBuffers - Highest Quality Reagents

Medicago's SmartBuffers are manufactured using highly-purified, analytical-grade chemicals and are extensively tested. Manufacturing is done in a controlled clean environment to GMP procedures. A high level of automation essentially avoids operator intervention and contact with the products.

Pre-mixed reagents are exactly weighed according to specification. Tablets are packed in sealed containers or blister packs and powders in sealed aluminium foil pouches, thus protected from contamination. SmartBuffers are stable for 3 years at room temperature.

SmartBuffers - Reproducibility and Consistency

Medicago's laboratories and manufacturing site are ISO 9001:2008 and ISO 13485:2003 certified. Each stage of the SmartBuffers manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.

SmartBuffers - Don't compromise, customize

Medicago can customize your buffer needs to suit your application requirements, including tablets, powder or liquid buffer formulations in concentrated formats or large volumes. Medicago has extensive experience in the production and packaging of buffers as kit components or supplying them in bulk to large-scale manufacturing facilities in Molecular Biology, *In vitro* Diagnostics, Biopharmaceutical and other Biotechnology industries.

Selection Table for SmartBuffers

	PBS	PBS-T	TBS	TBS-T	BBS	NaPi	TAE	TBE	TG	TG+SDS	TE	Carb-Bicarb	SSC	Tris-HCl	NaAc	BSC	EDTA	SSPE
Applications																		
Nucleic acid electrophoresis							•	•										•
Protein electrophoresis									•	•								
Western blot		•	•	•	•				•									
Southern blot													•					
Northern blot							•						•					
Coating procedures		•			•							•						
Immunoassays/ ELISA	•	•	•	•	•							•						
Immunohistochemistry	•		•								•							
Microarrays																		•
Tissue and cell culture	•		•											•			•	•
Microbiology	•																	
Molecular biology			•			•					•		•	•	•			•
Biochemistry/Clinical chemistry	•				•	•								•		•	•	
Characteristics																		
Isotonic	•	•	•	•	•								(1x)					
Autoclavable	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•
Pouches	•		•			•	•	•	•	•	•		•	•	•	•	•	
Tablets	•	•	•	•	•							•	•					•
Solution	•																	
Pack size range	16	5	4	2	1	7	2	3	2	2	1	5	3	3	2	2	2	1