



Quality from Sweden



SmartBuffers

/ SmartReagents

- Exactly pre-weighed tablets and pouches with pre-set pH
- Dissolve-and-go in less than 5 minutes
- Formulated from analytical grade chemicals
- Guaranteed lot-to-lot reproducibility
- Stable at room temperature for more than 3 years



Medicago

YOUR TRUSTED PARTNER IN BIOTECH

Smart Solutions For Smart People

Save Time and Money

Buffers used daily in research and clinical laboratories are critical for the success of experiments. However, preparing buffers is usually perceived as a tedious and time consuming laboratory activity prone to many errors. Medicago specialises in the development and manufacturing of high-quality, pre-made SmartBuffers that save valuable time in routine laboratory work while providing maintained or even increased precision. Do not waste time preparing your own buffer solutions. Medicago SmartBuffers are ideal for standardising the laboratory work so you can focus on the essential: your research.

Ultimate Convenience

SmartBuffers are supplied in exactly pre-weighed tablets or pouches with powder with a given concentration and pre-set pH. Just dissolve one SmartBuffer tablet or the contents of one pouch in the specified volume of deionised water and you are ready-to-go in less than 5 minutes. This ultimate convenience allows you to eliminate errors in calculation, formulation, weighing, and pH adjustment.

Wide Range Perfect for Many Applications

Medicago's SmartBuffers include over 20 different buffers specially designed for a number of applications as shown in the selection table below.

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-like procedures. A high level of automation essentially avoids operator intervention and contact with the products.

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

Reproducibility and Consistency

Medicago's laboratories and manufacturing site are ISO 9001 and ISO 13485 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. Sterilise SmartBuffers by autoclaving or ultra-filtration.

Your choice: Custom, Bulk or OEM

Medicago can customise your buffer needs to suit your application requirements including tablets, powder or liquid buffer formulations in concentrated formats or larger volumes. We have extensive experience in the development, production and packaging of buffers as kit components or supplying them in bulk to large scale manufacturing facilities in Life sciences, *in vitro* Diagnostics, Biopharmaceutical and Biotechnology industries.

Selection Table for SmartBuffer

	PBS	PBS -T	TBS	TBS -T	BBS	NaPi	TAE	TBE	TG	TG+ SDS	TE	Carb-Bicarb	SSC	Tris-HCl	NaAc	BSC	EDTA	SSPE	IMAC	HEPES
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	•				•	•								•		•	•			
Chromatography												•							•	•
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		

Smart Choices

Ordering Information

Borate Buffered Saline pH 8.2, 500 ml	100 Tablets	09-2053-100
Buffered Sodium Citrate 100 ml	10 Pouches	12-8480-10
Buffered Sodium Citrate 1000 ml	5 Pouches	12-8483-5
Carbonate-bicarbonate Azide	50 Tablets	09-8932-50
Carbonate-bicarbonate Azide	8 Tablets*	09-8932-8
Carbonate-bicarbonate 100 ml	100 Tablets	09-8922-100
Carbonate-bicarbonate 100 ml	24 Tablets*	09-8922-24
Carbonate-bicarbonate 100 ml	8 Tablets*	09-8922-8
EDTA Buffer pH 8.0, 1000 ml	5 Pouches	12-9160-5
EDTA Buffer pH 8.0, 500 ml	5 Pouches	12-9161-5
Glycine-HCl pH 3.0, 1000 ml	10 Pouches	12-9121-10
HEPES Buffered Saline pH 7.4, 500 ml	100 Tablets	09-8500-100
HEPES Buffered Saline pH 7.4, 500 ml	12 Tablets*	09-8500-12
IMAC Phosphate Buffer, 400 ml	10 Tablets*	09-1010-10
IMAC Phosphate Buffer, 400 ml	50 Tablets	09-1010-50
IMAC elution buffer, 100 ml	10 Tablets*	09-1012-10
IMAC elution buffer, 100 ml	50 Tablets	09-1012-50
PBS solution pH 7.4 1000ml/bottle	10 Bottles	10-9402-10
PBS pH 7.2, 1000 ml	100 Tablets	09-9499-100
PBS pH 7.4, 100 ml	100 Tablets	09-2051-100
PBS pH 7.4, 200 ml	100 Tablets	09-2052-100
PBS pH 7.4, 500 ml	100 Tablets	09-8912-100
PBS pH 7.4, 500 ml	12 Tablets*	09-8912-12
PBS pH 7.4, 1000 ml	10 Tablets*	09-9400-10
PBS pH 7.4, 1000 ml	100 Tablets	09-9400-100
PBS pH 7.4, 10 l	1 Pouches	12-9424-1
PBS pH 7.4, 25 l	1 Pouches	12-9422-1
PBS pH 7.4, 50 l	1 Pouches	12-9425-1
PBS pH 7.4, 100 l	1 Pouches	12-9426-1
PBS 10x, pH 7.4, 1000 ml	5 Pouches	12-9423-5
PBS no Potassium 0.02M, pH 7.4	100 Tablets	09-9500-100
PBS no Potassium pH 7.4, 1000 ml	10 Tablets*	09-9420-10
PBS no Potassium pH 7.4, 1000 ml	100 Tablets	09-9420-100
PBS-Tween pH 7.4, 100 ml	100 Tablets	09-8903-100
PBS-Tween pH 7.4, 500 ml	100 Tablets	09-8902-100
PBS-Tween pH 7.4, 500 ml	12 Tablets*	09-8902-12
PBS-Tween pH 7.4, 1000 ml	100 Tablets	09-9410-100
PBS-Tween pH 7.4, 1000 ml	10 Tablets	09-9410-10

*Blisterpack

Ordering Information

SSC 2x, pH 7.0, 1000 ml	5 Pouches	12-9196-5
SSC 20x, pH 7.0, 1000 ml	5 Pouches	12-9195-5
Sodium Acetate pH 5.2, 1000 ml	5 Pouches	12-9187-5
Sodium Acetate pH 7.0, 1000 ml	5 Pouches	12-9188-5
NaPi 0.02M, pH 7.0, 1000 ml	10 Pouches	12-9527-10
NaPi 0.02 M, pH 7.0, 5000 ml	10 Pouches	12-9528-10
NaPi 0.1M, pH 6.5, 1000 ml	10 Pouches	12-9529-10
NaPi 0.1M, pH 7.0, 1000 ml	10 Pouches	12-9530-10
NaPi 0.1M, pH 7.4, 1000 ml	10 Pouches	12-9531-10
NaPi 0.1M, pH 6.0, 1000 ml	10 Pouches	12-9532-10
NaPi 0.1M, pH 6.8, 1000 ml	10 Pouches	12-9533-10
NaPi 0.1M, pH 7.2, 1000 ml	10 Pouches	12-9534-10
NaPi 0.1M, pH 7.5, 1000 ml	10 Pouches	12-9535-10
NaPi 0.1M, pH 8.0, 1000 ml	10 Pouches	12-9536-10
NaPi 1M, pH 6.5, 1000 ml	10 Pouches	12-9184-10
NaPi 1M, pH 7.2, 1000 ml	10 Pouches	12-9185-10
SSPE pH 7.4, 200 ml	100 Tablets	09-8952-100
Tris-HCl pH 7.4, 1000 ml	10 Pouches	12-9198-10
Tris-HCl pH 8.0, 1000 ml	10 Pouches	12-9199-10
Tris-HCl pH 8.3, 1000 ml	10 Pouches	12-9200-10
TBS pH 8.0, 1000 ml	10 Pouches	12-9133-10
TBS 10x, pH 8.0, 1000 ml	10 Pouches	12-9134-10
TBS pH 7.6, 500 ml	100 Tablets	09-7500-100
TBS pH 7.6, 500 ml	10 Tablets*	09-7500-10
TBS-Tween pH 7.6, 500 ml	10 Tablets*	09-7510-10
TBS-Tween pH 7.6, 500 ml	100 Tablets	09-7510-100
TAE 50x, pH 8.3, 500 ml	5 Pouches	12-9145-5
TAE 50x, pH 8.3, 1000 ml	5 Pouches	12-9144-5
TBE pH 8.3, 1000 ml	10 Pouches	12-9110-10
TBE 5x, pH 8.3, 1000 ml	10 Pouches	12-9111-10
TBE 10x, pH 8.3, 1000 ml	10 Pouches	12-9112-10
Tris-EDTA 10x, pH 7.4, 1000 ml	10 Pouches	12-9154-10
Tris-Glycine pH 8.3, 1000 ml	10 Pouches	12-9122-10
Tris-Glycine pH 8.3, 5000 ml	10 Pouches	12-9123-10
Tris-Glycine-SDS pH 8.3, 1000 ml	10 Pouches	12-9222-10
Tris-Glycine-SDS pH 8.3, 5000 ml	10 Pouches	12-9223-10
Washing Solution 10 l / pouch	1 Pouch	12-9197-1

SmartReagents und Reagenzien

- Highest quality and purity
- Suitable for use in numerous life science and biotechnology applications
- Exactly pre-weighed tablets or powders
- Extremely low levels of trace element contamination
- Adherence to compendial references where applicable

Medicago offers a selected range of reagents and biochemicals. They are extensively tested and are of very high quality, suitable for use in numerous life science and biotechnology applications.



SmartReagents are supplied as exactly pre-weighed tablets packed in containers or blister packs, or as pre-weighed powders in sealed aluminium foil pouches.

Medicago's SmartReagents are produced in a controlled clean environment to GMP-like procedures. A high level of automation essentially avoids operator intervention and contact with the products.

Smart Reagents

Ordering information

0.1 mol NaCl	100 Tablets	09-0100-100
Boric Acid Tablets 1 g	1000 Tablets	09-0101-1000
Boric Acid Tablets 1 g	100 Tablets	09-0101-100
D (+) Glucose 20%	5 Pouches	12-9165-5
Magnesium Sulphate 1M	5 Pouches	12-9182-5
p-Nitrophenyl Phosphate Substrate (pNPP) 20mg **	24 Tablets	09-2020-24
p-Nitrophenyl Phosphate Substrate (pNPP) 20mg	100 Tablets	09-2020-100
p-Nitrophenyl Phosphate Substrate (pNPP) 5 mg **	24 Tablets	09-2001-24
p-Nitrophenyl Phosphate Substrate (pNPP) 5 mg	100 Tablets	09-2001-100
Potassium Chloride Reagent (KCl) 3 M	5 Pouches	12-9176-5
Potassium Chloride Reagent (KCl) 1 M	10 Pouches	12-9175-10
Sodium Chloride Reagent (NaCl) 3 M	5 Pouches	12-9190-5
Sodium Chloride Reagent (NaCl) 5 M	5 Pouches	12-9191-5
Sodium Chloride Reagent (NaCl) 0.9%	10 Tablets	09-9104-10
Sodium Chloride Reagent (NaCl) 0.9%	100 Tablets	09-9104-100
Sodium Chloride Reagent (NaCl) 0.9%	100 Tablets	09-9103-100
Sodium Chloride Reagent (NaCl) 0.9%	100 Tablets	09-9105-100
Sodium Dodecyl Sulphate Reagent (SDS)	50 Tablets	09-2026-50
Sodium Dodecyl Sulphate Reagent (SDS) 10%	5 Pouches	12-9193-5
Sodium Dodecyl Sulphate Reagent (SDS) 20%	5 Pouches	12-9194-5
Sodium Hydroxide Reagent (NaOH)	5 Pouches	12-9183-5
Urea Reagent 8 M	5 Pouches	12-8484-5
Urea Reagent 5 M	5 Pouches	12-8481-5

** Blisterpack

Reagents for Biotechnology

Ordering information

Tween™ 20	1 kg **	16-0023
Tris - HCl	500 g	16-0022-500
Tris	500 g	16-0021-500
Sucrose (saccharose)	1 kg	16-0020-1000
Urea	500 g	16-0025-500
Sodium Chloride	1 kg **	16-0013
Bovine Serum Albumin	100 g **	16-0026
Sodium Hydroxide	1 kg	16-0019-1000
Sodium di Hydrogen Phosphate	1 kg **	16-0016
Di Sodium Hydrogen Phosphate	1 kg	16-0017
Sodium Carbonate	500 g	16-0015-500
Citric acid monohydrate	1 kg	16-0006-1000
EDTA di sodium	500 g	16-007-500
Boric acid	500 g	16-0005-500
Ammonium Sulphate	1 kg	16-0003-1000
Agarose for DNA electrophoresis	500 g	16-0027-500
Ammonium hydrogen carbonate	500 g	16-0004-500
Glycerol (Glycerin)	500 ml	16-0024-500
Glycine	1 kg	16-0008-1000
Di potassium hydrogen phosphate	1 kg	16-0012-1000
Tri Sodium Citrate	1 kg	16-0014-1000
Potassium di hydrogen phosphate	1 kg	16-0011-1000
Potassium Chloride	1 kg	16-0010-1000
Lactose	1 kg	16-0009-1000
Sodium Hydrogen Carbonate	kg	16-0018-1000

** Available in different sizes

For more information about our SmartBuffers or bulk quotations:

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