

Biological buffers

Biochemical processes are markedly impaired even by small pH changes. Therefore, it is usually required to stabilize the pH value in vitro without affecting the system's functioning by using buffered systems (e.g. Tris, HEPES, MOPS, PBS etc.).

Find below PanReac AppliChem branded biological buffers which are suited for your biological / biochemical / biotechnological applications in your laboratory, pilot plant or industry.



Product code	Product name	CAS number	Pack sizes
A1060	ACES for buffer solutions	7365-82-4	1 kg, 10 kg
A3485	Ammonium Sulfate for molecular biology	7783-20-2	1 kg, 5 kg
A1032	Ammonium Sulfate BioChemica	7783-20-2	1 kg, 5 kg
A1062	BES for buffer solutions	10191-18-1	1 kg
A1024	Bicine for buffer solutions	150-25-4	250 g
A3992	Bis-Tris for molecular biology	6976-37-0	250 g
A1025	Bis-Tris for buffer solutions	6976-37-0	250 g, 500 g, 1 kg
A2140	Cacodylic Acid Sodium Salt 3-hydrate BioChemica	6131-99-3	100 g, 250 g
A1065	CHES for buffer solutions	103-47-9	250 g
A4150	CTAB - Lysis buffer BioChemica		500 mL, 1 L
A5097	EDTA for molecular biology	60-00-4	500 g
A1103	EDTA BioChemica	60-00-4	250 g, 1 kg
A2937	EDTA Disodium Salt 2-hydrate for molecular biology	6381-92-6	250 g, 500 g, 1kg
A4892	EDTA solution pH 8.0 (0.5 M) for molecular biology		100 mL, 500 mL, 1 L
A3145	EDTA solution pH 8.0 (0.5 M)		1 L
A1067	Glycine for molecular biology	56-40-6	500 g, 1 kg, 5 kg
A1106	Guanidine Hydrochloride for molecular biology	50-01-1	1 kg
A3240	Guanidine Hydrochloride ultrapure	50-01-1	500 g, 1 kg, 5 kg
A1499	Guanidine Hydrochloride BioChemica	50-01-1	1 kg, 5 kg, 25 kg
A0860	Guanidine Hydrochloride solution (8 M) BioChemica	50-01-1	500 mL
A1107	Guanidine Thiocyanate for molecular biology	593-84-0	500 g, 1 kg, 25 kg
A4335	Guanidine Thiocyanate BioChemica	593-84-0	1 kg
A0703	Guanidine Thiocyanate solution (6 M in 0.1 M Tris; pH 7.5) for molecular biology	593-84-0	1 L
A3724	HEPES for molecular biology	7365-45-9	250 g, 500 g, 1 kg
A1069	HEPES for buffer solutions	7365-45-9	100 g, 250 g, 500 g, 1 kg, 5 kg, 25 kg
A6916	HEPES buffer pH 7.5 (1 M) sterile		250 mL
A6906	HEPES buffer pH 8.0 (1 M) sterile		250 mL
A1070	HEPES Sodium Salt for buffer solutions	75277-39-3	500 g
A1072	HEPSSO for buffer solutions	68399-78-0	100 g
A1378	Imidazole for molecular biology	288-32-4	50 g, 250 g
A3635	Imidazole ultrapure	288-32-4	100 g, 250 g
A1073	Imidazole for buffer solutions	288-32-4	500 g, 1 kg
A0689	MES anhydrous BioChemica	4432-31-9	250 g, 500 g, 1 kg
A1074	MES 1-hydrate for buffer solutions	145224-94-8	100 g, 250 g, 500 g, 1 kg
A2947	MOPS for molecular biology	1132-61-2	100 g, 500 g, 1 kg
A1076	MOPS for buffer solutions	1132-61-2	250 g, 500 g, 1 kg, 5 kg
A9202	PBS tablets pH 7.2 (for 1 L)		10 tabs, 100 tabs
A9201	PBS tablets pH 7.4 (for 1 L)		10 tabs, 100 tabs
A9162	PBS tablets pH 7.4 (for 100 mL)		100 tabs
A9177	PBS tablets pH 7.4 (for 200 mL)		100 tabs
A9191	PBS tablets pH 7.4 (for 500 mL)		100 tabs
A1079	PIPES for buffer solutions	5625-37-6	100 g, 500 g
A2939	Potassium Chloride for molecular biology	7447-40-7	500 g
A1043	Potassium di-Hydrogen Phosphate BioChemica	7778-77-0	1 kg, 5 kg
A1042	di-Potassium Hydrogen Phosphate anhydrous BioChemica	7758-11-4	1 kg, 5 kg
A4555	Sodium Acetate anhydrous for molecular biology	127-09-3	1 kg
A2942	Sodium Chloride for molecular biology	7647-14-5	1 kg, 5 kg
A7006	Sodium Chloride 5 mol/L (5 M) for molecular biology	7647-14-5	1 L

Product code	Product name	CAS number	Pack sizes
A1046	di-Sodium Hydrogen Phosphate anhydrous BioChemica	7558-79-4	1 kg, 5 kg
A3905	di-Sodium Hydrogen Phosphate 2-hydrate BioChemica	10028-24-7	1 kg
A1396	SSC buffer (20X) for molecular biology		1 L
A4686	TAE buffer (50X) for molecular biology		1 L
A1691	TAE buffer (50X)		1 L
A4227	TAE buffer (10X) for molecular biology		1 L, 5 L
A3945	TBE buffer (10X) for molecular biology		1 L
A0972	TBE buffer (10X)		1 L, 5 L, 10 L
A4348	TBE buffer (10X) powder		1 L, 10 L
A4228	TBE buffer (5X) for molecular biology		5 L
A1417	TBE buffer (5X)		5 L
A4394	TBE buffer (5X) powder		10 L
A0386	TE buffer (1X) pH 8.0 for molecular biology		500 mL, 1 L
A8569	TE buffer (1X) pH 8.0 low EDTA for molecular biology		500 mL, 1 L
A1084	TES for buffer solutions	7365-44-8	100 g, 1 kg
A1431	Trichloroacetic Acid BioChemica	76-03-9	250 g, 500 g, 1 kg
A0590	Trichloroacetic Acid solution 20% BioChemica	76-03-9	500 mL, 1 L
A1085	Tricine BioChemica	5704-04-1	250 g, 500 g, 1 kg, 5 kg
A0697	Trifluoroacetic Acid BioChemica	76-05-1	100 mL
A2264	Tris for molecular biology	77-86-1	500 g, 1 kg, 5 kg
A1086	Tris ultrapure	77-86-1	500 g, 1 kg, 5 kg, 10 kg, 25 kg
A1379	Tris for buffer solutions	77-86-1	500 g, 1 kg, 5 kg, 10 kg
A4263	Tris buffer pH 7.5 (1 M) for molecular biology		500 mL
A4577	Tris buffer pH 8.0 (1 M) for molecular biology		500 mL, 1 L
A3452	Tris Hydrochloride for molecular biology	1185-53-1	250 g, 500 g, 1 kg, 25 kg
A1087	Tris Hydrochloride for buffer solutions	1185-53-1	250 g, 500 g, 1 kg, 5 kg
A1049	Urea for molecular biology	57-13-6	1 kg, 5 kg, 25 kg
A1360	Urea BioChemica	57-13-6	5 kg, 10 kg

How to order

Distributors

For ordering our high-quality products please contact your local distributor.

ITW Reagents has distributors in the countries as follows:

Algeria	Egypt	Kuwait	Serbia
Argentina	Finland	Lithuania	Slovakia
Armenia	France	Mexico	Slovenia
Austria	Germany	Montenegro	South Korea
Bangladesh	Greece	Morocco	Spain
Belarus	Hong Kong-China	Netherlands	Sweden
Belgium	Hungary	New Zealand	Switzerland
Bosnia and Herzegovina	Iceland	Norway	Taiwan
Brazil	India	Pakistan	Thailand
Bulgaria	Indonesia	Paraguay	Turkey
Chile	Ireland	Peru	Ukraine
China	Israel	Poland	United Kingdom
Colombia	Italy	Portugal	United States
Croatia	Ivory Coast	Romania	Uruguay
Czech Republic	Japan	Russia	Vietnam
Denmark	Jordan	Saudi Arabia	
Ecuador	Kazakhstan	Senegal	

For further contact details of our distributors please visit itwreagents.com or contact our Customer Service at

customerservice.de@itwreagents.com

customerservice.es@itwreagents.com

customerservice.it@itwreagents.com

Customers - Webshop

Authorized customers from Spain, Portugal, Austria, France and Germany can order via our webshop directly on itwreagents.com



A211,EN,202012