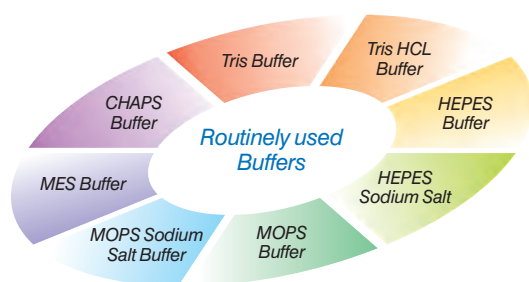


highly purified Biological Buffers

SRL is known best for some of our popular and routinely used biological buffers due to their high purity, solution clarity, quality consistency thus making them more favorable in a wide variety of applications such as Electrophoresis, Enzyme Assays, Molecular biology studies, Biochemistry, Protein Isolation, Vaccine production, drug formulation, etc..



Tris Buffer & Salts

- Tris is an excellent biochemical and biological buffer for all molecular biology applications.
- It shows high solubility in aqueous systems and frequently used as an electrophoresis buffer
- Widely used in pharmaceutical application as a supporting material.
- Effective pH range: 7.0 - 9.0

HEPES Buffer & Salts

- HEPES is a zwitterionic buffering agent.
- Wide variety of applications in cell culture, media formulations, protein assays, etc.
- Better in maintaining physiological pH despite changes in carbon dioxide concentration (produced by cellular respiration) when compared to bicarbonate buffers.
- Effective pH range: 6.8 - 8.2

MOPS Buffer & Salts

- MOPS is a zwitterionic agent.
- Generally used in cell culture, protein studies and as an electrophoresis buffer.
- Effective pH range: 6.5 - 7.9

MES Buffer

- MES is a zwitterionic buffer.
- It has maximum water solubility and minimum solubility in all other solvents.
- Chemically and enzymatically stable.
- Minimal absorption in visible or UV spectral range.
- Effective pH range: 5.5 - 6.7

CHAPS Buffer

- CHAPS is a non-denaturing zwitterionic detergent.
- Generally used for protein solubilization and protein purification especially useful in purifying membrane proteins.
- Low light absorbance in the ultraviolet region of the electromagnetic spectrum, thus useful for monitoring ongoing chemical reactions or protein-protein binding with UV spectroscopy.
- Effective pH range: 4.0 - 7.0

Biological Buffers are used to prepare exclusive solutions that aid in various biochemical processes, wherein a significant change in pH can lead to harmful reaction in molecular structure, biological activity and functions.

Buffer systems are aqueous systems that resist changes in pH, as an acid or base is added. They keep the pH of the solution constant by taking up protons which are released during reactions, or by releasing protons when they are consumed by the reactions.

SRL is renowned for its extensive wide range of Biological Buffers for various applications.

Key factors of SRL's range of Biological Buffers:

- High purity range of buffers with purity >99% (by titration)
- Wide application in molecular and biochemical studies & industrial production
- Absence of Nuclease & Protease
- Low UV absorbance
- Ready availability and cost effective pack sizes

We also offer **Tris Buffer in USP Grade** with complete documentation.

For commercial & pharma applications we also provide all products in Bulk Packs.

Purity measured by
Titrimetric Analysis
makes your usage more
accurate and precise



SRL's Complete Range of Biological Buffers:

	Product Code	Product Name	CAS No.	Effective pH range	Available pack size	Assay (by Titration)
	66822	ACES Buffer extrapure	7365-82-4	6.1 - 7.5	25g, 100g & 1kg	min.99%
	37690	ADA Buffer extrapure	26239-55-4	6.0 - 7.2	10g, 25g, 100g & 500g	min.98%
	35609	ADA Disodium Salt Buffer extrapure	41689-31-0	6.0 - 7.2	5g & 25g	min.98%
	83468	ADA Monosodium Salt Buffer extrapure	7415-22-7	6.0 - 7.2	5g, 25g & 100g	min.98%
	96459	AMPSO Buffer extrapure	68399-79-1	8.3 - 9.7	25g & 100g	min.99%
BES Range of Buffers	34489	BES Buffer extrapure	10191-18-1	6.4 - 7.8	25g, 100g & 500g	min.99%
	59299	BES Sodium Salt Buffer extrapure	66992-27-6	6.4 - 7.8	10g, 25g, 100g & 250g	min.99%
	39849	BICINE Buffer extrapure	150-25-4	7.6 - 9.0	25g, 100g & 500g	min.99%
	25417	BIS-Tris Buffer extrapure	6976-37-0	5.8 - 7.2	25g, 100g & 500g	min.99%
	15893	BIS-Tris Hydrochloride Buffer extrapure	124763-51-5	5.8 - 7.2	10g, 25g, 100g & 250g	min.98%
	49084	BIS-Tris Propane Buffer extrapure	64431-96-5	6.3 - 9.5	25g & 100g	min.99%
	64210	CAPS Buffer extrapure	1135-40-6	9.7 - 11.1	25g, 100g & 500g	min.99%
	39271	CAPSO Buffer extrapure	73463-39-5	8.9 - 10.3	25g, 100g	min.99%
	71222	CAPSO Sodium Salt Buffer extrapure	102601-34-3	8.9 - 10.3	10g, 25g & 100g	min.99%
CHAPS Range of Buffers	87868	CHAPS Buffer extrapure	75621-03-3	4.0 - 7.0	1g, 5g & 10g	min.99%
	21420	CHAPS Buffer for molecular biology	75621-03-3	4.0 - 7.0	1g, 5g & 10g	min.99.5%
	66466	Big CHAPS	86303-22-2	–	500mg, 1g & 5g	min.95%
	40133	Deoxy Big CHAPS extrapure	86303-23-3	–	500mg	min.95%
	66903	CHAPSO Buffer extrapure	82473-24-3	–	1g & 5g	min.99%
	18081	CHES Buffer extrapure	103-47-9	8.6 - 10.0	10g, 25g & 100g	min.99%
	12781	DIPSO Buffer extrapure	68399-80-4	7.0 - 8.2	25g & 100g	min.99%
	16722	DIPSO Buffer Sodium Salt extrapure	102783-62-0	7.0 - 8.2	5g & 10g	min.98%
	49470	EPPS Buffer extrapure	16052-06-5	–	10g, 50g & 100g	min.99.5%
	29768	HEPBS Buffer extrapure	161308-36-7	7.6 - 9.0	10g, 25g & 100g	min.99%

Bulk packing available on request in 5kg & 25kg





	Product Code	Product Name	CAS No.	Effective pH range	Available pack size	Assay (by Titration)
HEPES Range of Buffers	63732	HEPES Buffer extrapure	7365-45-9	6.8 - 8.2	5g, 25g, 100g, 500g & 1kg	min.99%
	16826	HEPES Buffer for molecular biology	7365-45-9	6.8 - 8.2	25g, 100g & 500g	min.99.5%
	68744	HEPES Sodium Salt extrapure	75277-39-3	6.8 - 8.2	25g, 100g & 500g	min.99%
	32225	HEPES Sodium Salt for molecular biology	75277-39-3	6.8 - 8.2	25g, 100g & 500g	min.99%
MES Range of Buffers	31808	MES Hydrate Buffer extrapure	145224-94-8	5.5 - 6.7	25g, 100g, 500g & 1kg	min.99%
	43396	MES Hemisodium Salt Buffer extrapure	117961-21-4	5.5 - 6.7	25g & 100g	min.98%
	69408	MES Sodium Salt Buffer extrapure	71119-23-8	5.5 - 6.7	10g, 25g & 100 g	min.99%
MOPS Range of Buffers	69824	MOPS Buffer extrapure	1132-61-2	6.5 - 7.9	25g, 100g, 500g & 1kg	min.99%
	85123	MOPS Hemisodium Salt Buffer extrapure	117961-20-3	6.5 - 7.9	25g & 100g	min.99%
	57851	MOPS Sodium Salt Buffer extrapure	71119-22-7	6.5 - 7.9	50g, 100g & 250g	min.99.5%
MOPSO Range of Buffers	38602	MOPSO Buffer extrapure	68399-77-9	6.2 - 7.6	25g & 100g	min.99%
	82595	MOPSO Sodium Salt Buffer extrapure	79803-73-9	6.2 - 7.6	50g & 250g	min.99%
PIPES Range of Buffers	70375	PIPES Buffer extrapure	5625-37-6	6.1 - 7.5	5g, 10g, 25g, 100g & 1kg	min.99%
	49159	PIPES Buffer for molecular biology	5625-37-6	6.1 - 7.5	100g & 500g	min.99%
	58842	PIPES Dipotassium Salt Buffer extrapure	108321-27-3	6.1 - 7.5	25g	min.99%
	55025	PIPES Disodium Salt Buffer extrapure	76836-02-7	6.1 - 7.5	25g, 100g & 500g	min.99%
	44033	PIPES Sesquisodium Salt Buffer extrapure	100037-69-2	6.1 - 7.5	25g, 100g & 250g	min.99%
	94348	PIPES Sodium Salt Buffer extrapure	10010-67-0	6.1 - 7.5	10g, 50g & 250g	min.99%
	41186	POPSO Buffer extrapure	68189-43-5	7.2 - 8.5	100g	min.99%
	81800	POPSO Sesquisodium Salt Buffer extrapure	108321-08-0	7.2 - 8.5	5g & 25g	min.98%
	10964	TAPS Buffer extrapure	29915-38-6	7.7 - 9.1	25g & 100g	min.99%
	44194	TAPSO Buffer extrapure	68399-81-5	7.0 - 8.2	25g & 100g	min.99%
	14676	TES Buffer extrapure	7365-44-8	6.8 - 8.2	25g & 100g	min.99%
	51318	TES Buffer Sodium Salt extrapure	70331-82-7	6.8 - 8.2	25g, 100g & 250g	min.99%
	27740	TRICINE Buffer extrapure	5704-04-1	7.4 - 8.8	25g & 100g	min.99%

Bulk packing available on request in 5kg & 25kg





	Product Code	Product Name	CAS No.	Effective pH range	Available pack size	Assay (by Titration)
Tris Range of Buffers	71033	Tris Buffer pure AR, ACS for MB	77-86-1	7.0 - 9.0	100g, 500g, 2.5kg & 5kg	min.99.9%
	79420	Tris Buffer Superior extrapure AR, ACS	77-86-1	7.0 - 9.0	100g, 500g, 1kg & 5kg	min.99.9%
	37969	Tris Buffer Superior for molecular biology	77-86-1	7.0 - 9.0	100g, 500g, 1kg & 5kg	min.99.9%
	56995	Tris Buffer for HPLC	77-86-1	7.0 - 9.0	100g & 500g	min.99.9%
	16622	Tris Buffer USP	77-86-1	7.0 - 9.0	1kg	min. 99% -101%
	99438	Tris HCl extrapure AR	1185-53-1	7.0 - 9.0	100g, 500g & 5kg	min.99%
	89781	Tris HCl for molecular biology	1185-53-1	7.0 - 9.0	100g, 500g & 1kg	min.99%
	62850	Tris Acetate extrapure AR	6850-28-8	–	100g & 500g	min.99%
	23017	Tris Carbonate extrapure	68123-29-5	–	100g	min.99%
	32119	Tris Maleate extrapure	72200-76-1	–	100g	min.99.5%
	25913	Tris Nitrate extrapure	41521-38-4	–	100g	min.99%
	55088	Tris Oxalate extrapure	108321-13-7	–	100g	min.99%
	68353	Tris Phosphate Dibasic extrapure	108321-11-5	–	100g	min.98%
	43235	Tris Phosphate Monobasic extrapure	6992-39-8	–	100g	min.98%
	63291	Tris Succinate extrapure	85169-32-0	–	100g	min.99%
	47952	Tris Sulphate extrapure	6992-38-7	–	100g	min.98%

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