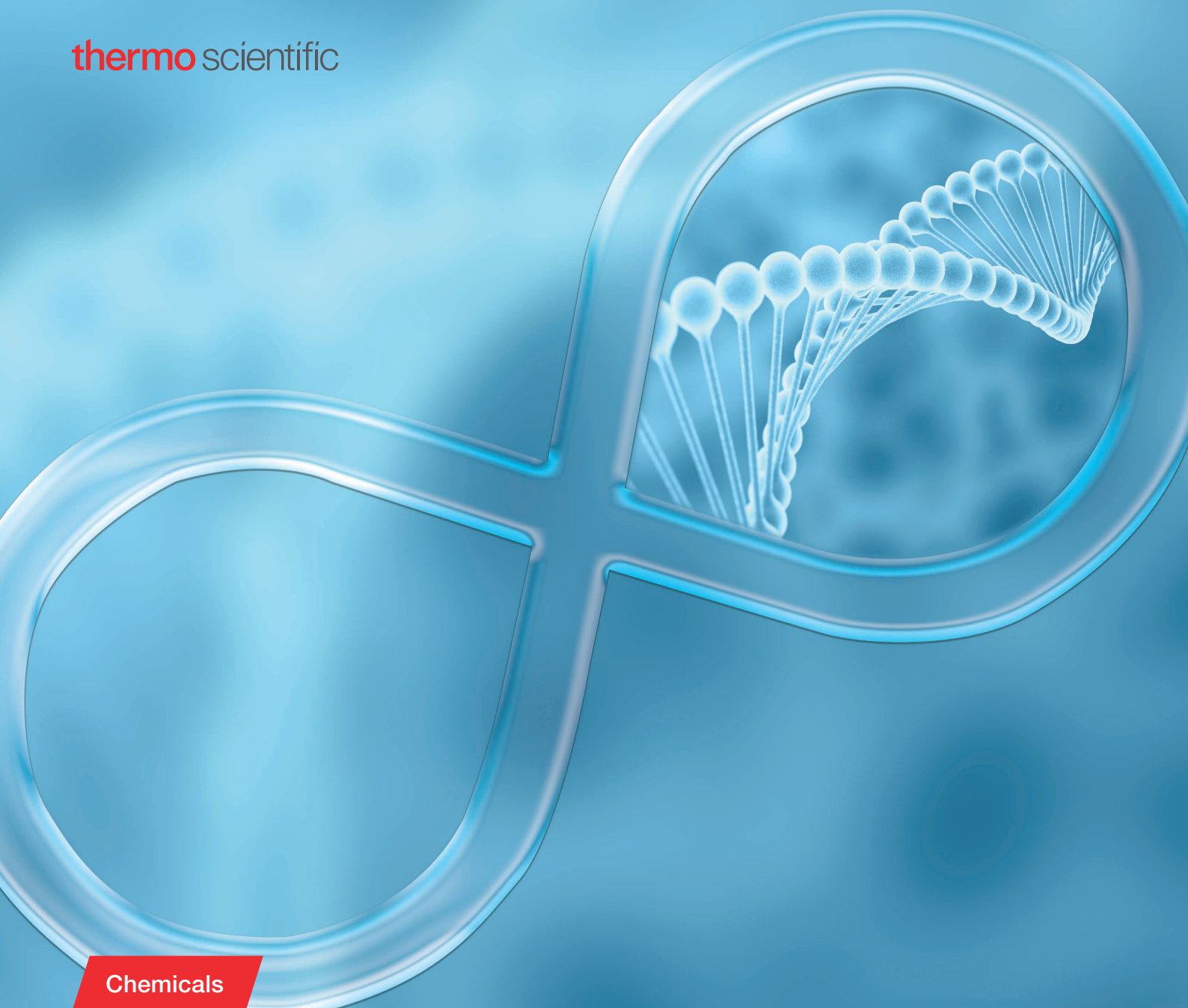


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Chemicals

# Laboratory essentials

For your life science workflow

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Within the Thermo Fisher Scientific life science lab essentials portfolio, researchers have a great choice of products with different specifications. We offer products that can be used as high quality ingredients in the formulation of solutions, buffers, media and gels for various stages of many life science workflows.

The Acros Organics and Alfa Aesar life science portfolio includes:

- **High quality reagents, buffers and essentials to support academic and biotech research**
- **Products that are available from stock, ready for immediate shipment**
- **Designed for a range of life science applications**
- **High-purity products that meet industry specifications for critical factors**
- **Broad selection of variants and grades enabling higher flexibility in addition to pre-mixed solutions**



A selection of our most essential products from this range can be found below.

### Antibiotics and bioactives

IBS No.	Product Description	Size
10043673	Actinomycin D, 93%	1 mg, 5 mg, 25 mg, 100 mg
15473439	Bleomycin sulfate	10 mg, 100 mg
15404429	Carbenicillin disodium salt	1 g, 5 g, 25 g
15408699	Chloramphenicol, 10 mg/ml in ethanol, sterile-filtered	10 mL, 25 mL
10286291	Cycloheximide, 95%	1 g, 5 g, 25 g
10502631	Dexamethasone, 96%	250 mg, 1 g, 5 g
15500554	Doxycycline Hyclate, 97%	5 g, 25 g, 100 g
15473189	Doxycycline hydrochloride	1 g, 5 g, 25 g
15453399	Kanamycin monosulfate	1 g, 5 g, 10 g
15444849	Rapamycin, 99+%	50 mg, 100 mg, 200 mg
10503674	Sulfanilamide, 98%	100 g, 500 g, 2.5 kg
15485089	Vancomycin hydrochloride	1 g, 5 g
15478649	Zeocin, 100 mg/ml in HEPES, sterile-filtered	1 mL, 5 × 1 mL

### Staining reagents

IBS No.	Product Description	Size
10216430	Acid Fuchsin, pure, high purity biological stain	25 g, 100 g, 500 g
10195230	Brilliant Green, High Purity Biological Stain	100 g, 500 g
15413529	Methylene Blue trihydrate	25 g, 100 g, 250 g
15483449	Ponceau S, Electrophoresis Grade	10 g, 50 g, 250 g

## Sugars and polysaccharides

IBS No.	Product Description	Size
11936991	Alginic acid, sodium salt	5 g, 250 g, 500 g, 2.5 kg
15443419	Alpha-Cyclodextrin, 97+%	5 g, 25 g, 100 g
10397430	D(-)-Fructose, 99%	500 g, 1 kg, 2.5 kg, 10 kg
10014454	D-(+)-Galactose, 98%	50 g, 250 g, 1000 g
15274844	D(+)-Glucose Monohydrate, Extra Pure	1 kg, 5 kg, 25 kg
15855308	D-(+)-Lactose monohydrate	5 kg
10726371	D(+)-Mannose, 99+%	25 g, 100 g, 1 kg, 2.5 kg
10134050	D(+)-Sucrose, 99.7%	250 g, 1 kg, 5 kg, 25 kg
11936901	D(+)-Trehalose dihydrate, 99%	25 g, 100 g, 500 g, 2.5 kg
15849762	D-(+)-Raffinose pentahydrate, Thermo Scientific	100 g, 500 g, 1 kg
15435799	Dextran sulfate sodium salt, MW ca 40,000	25 g, 100 g
10011110	D-Mannitol, 98+%	100 g, 500 g, 1 kg, 2.5 kg, 5 kg
10125900	D-Trehalose, 99%, anhydrous	25 g, 100 g, 500 g
10687592	L(-)-Glucose, 98%	250 mg, 1 g, 5 g, 25 g

## Solvents and additives

IBS No.	Product Description	Size
15408689	Chloroform	500 mL, 1 L, 2.5 L
10553694	Dichloromethane, 99.9%, Stabilized With Amylene	2.5 L, 10 L
15488089	Dimethyl sulfoxide, Bioreagent	50 mL, 100 mL, 250 mL, 500 mL, 1 L
10114763	Formamide, 99%, DNase, RNase and Protease free	500 mL, 2.5 L
10458872	Phenol water saturated solution, DNase, RNase and protease free	500 mL
15556186	Phenol, 99+%, loose crystals	100 g, 500 g
10649273	Phenol/Chloroform/Isoamyl alcohol (25:24:1), stabilized, saturated with 100 mM Tris-EDTA, DNase, RNAse, Protease free, pH 7.8-8.2	100 mL, 500 mL, 2.5 L
15424389	Paraformaldehyde, 4% in PBS	250 mL, 500 mL
15424389	Paraformaldehyde solution, 4% in PBS	1 L
10431212	Phenol/TRIS saturated solution	500 mL
15464799	Polyvinylpyrrolidone, M.W. 40,000	100 g, 500 g, 1 kg
10388960	Trifluoroacetic acid, 99.5%	25 mL, 100 mL, 250 mL, 1 L, 2.5 L

## Buffers and detergents

IBS No.	Product Description	Size
10117813	ACES, 99+%	100 g, 250 g, 1 kg
15815258	Ammonium sulfate, ACS, 99+%, Ultrapure	1 kg, 5 kg
11483107	BES, 99%	25 g, 100 g, 500 g
11467157	BICINE, 99%	50 g, 250 g, 1000 g
15805268	Bis-Tris, 98+% (dry basis), Ultrapure, Thermo Scientific	100 g, 500 g, 1 kg
11478896	CAPS, 99%	25 g, 100 g, 500 g
15448719	CHAPS, Electrophoresis grade	5 g, 10 g, 25 g
15815268	Choline chloride, 98+% (dry basis)	5 lb, 10 kg
10408093	Dodecyl sulfate, sodium salt, 99%	10 g, 25 g, 100 g, 500 g, 2.5 kg
10217143	HEPES sodium salt, 99+%, DNase, RNase and Protease free	100 g, 500 g
10123742	HEPES, 99%	25 g, 100 g, 250 g, 1 kg, 5 kg
15435719	Imidazole, 0.5M buffer soln., pH 7.5	100 mL, 250 mL
15438779	Krebs-Ringer Solution, HEPES-buffered	500 mL, 1 L
15413399	Laemmli SDS sample buffer	25 mL, 50 mL
10721414	MES hydrate, 99+%	25 g, 100 g, 500 g, 2.5 kg
11499723	MOPS, 99%	25 g, 100 g, 500 g
15480267	Phosphate-buffered saline (PBS, 10X), RNase free	250 mL, 500 mL
11956521	PIPES, 98.5+%	25 g, 100 g, 500 g, 2.5 kg
15470217	Sodium acetate, 3M aq. soln.	100 mL, 125 mL, 250 mL
15403209	Sodium chloride, 5M aq. soln.	100 mL, 125 mL, 250 mL
15865308	Sodium dodecyl sulfate (SDS), 95+%	500 g, 1 kg, 5 kg
15845428	Sodium dodecylsulfate, 10% solution, Ultrapure, Thermo Scientific	100 mL, 500 mL, 1 L
15483529	Sodium phosphate, 0.5M buffer	250 mL, 500 mL
11487417	Sucrose, 99% 2.5KG	500 g, 2500 g, 10000 g
15746272	TE Buffer, 1X Solution pH 8.0, low EDTA, Molecular Biology Grade	100 mL, 500 mL
10358200	TES, 99%	25 g, 100 g
15416389	Tricine, Electrophoresis grade, 99%	100 g, 500 g
10310044	TRIS EDTA buffer, DNase, RNase, protease free ready to use, PH 8.0	500 mL
15450127	Tris(2-carboxyethyl)phosphinehydrochloride, 98%	2 g, 5 g, 10 g
10032210	Tris(hydroxymethyl)aminomethane, 99.8%, for analysis	100 g, 1 kg, 5 kg
15440167	TRIS, 1.0M buffer soln., pH 8.	500 mL
15493269	TRIS-buffered saline (TBS, 20X), with 2% Tween 20	1 L, 2 L
15493669	TRIS-glycine-SDS running buffer	1 L, 2 L, 4 L
10637754	Triton X-114	500 mL, 2.5 L
10671652	Triton X-100, 98% DNase, RNase and protease free	100 mL, 250 mL
15495789	Tween 20 washing buffer, 0.5%in PBS (10X)	500 mL, 1 L, 2 L
10191231	Water, DNase, RNase and protease free	1 L, 5 L

## Core life science reagents

IBS No.	Product Description	Size
10677112	Acetic Acid	1 L, 2.5 L, 10 L
10062040	Acrylamide, 98.5%, extra pure	500 g, 2.5 kg, 10 kg
15443569	Acrylamide/Bisacrylamide Solution (40%, 37.5:1)	500 mL, 1 L
11373566	Adenosine-5'-triphosphate disodium salt hydrate, 99%, water <10%	1 g, 5 g
10742885	AEBSF Hydrochloride, 98%	50 mg, 1 g
12357153	Agar, Bacteriological Grade	250 g, 1 kg, 5 kg
15875218	Agarose - Separation  > 500 bp, Genetic Performance Certified, Molecular Biology Grade, Ultrapure	100 g, 250 g, 500 g
15855358	Agarose LE, Molecular Biology Grade, Ultrapure	25 g, 100 g, 250 g, 500 g, 1 kg
10002643	L(+)-Ascorbic acid, 99%	100 g, 500 g, 2.5 kg
10341614	L(+)-Aspartic acid, 98+%	100 g, 500 g, 2.5 kg, 10 kg
15475549	BioAcryl-P (30%, 29:1)	500 mL, 1 L
11400551	Deoxycholic acid, 99% 25G	25 g, 100 g, 500 g
15875118	Dextran sulfate sodium salt	10 g, 50 g, 100 g
10459460	Dithioerythritol, 99+%	1 g, 5 g, 25 g
13229702	DL-1,4-Dithiothreitol, 99+%, DNase, RNase and protease free	1 g, 10 g, 50 g
10227351	Ethylenediaminetetraacetic acid, 99%, pure	250 g, 1 kg, 5 kg
10722895	L(-)-Glutathione, oxidized, 98%	500 mg, 5 g
15484589	L-Glutathione, reduced, 98+%	5 g, 25 g, 100 g
10388573	Glycerol, 99.5%, DNase, RNase and protease	500 mL
10408460	Glycine, 98%, extra pure	250 g, 1 kg, 5 kg, 25 kg
11420024	Guanidine hydrochloride, 98%	250 g, 1000 g, 5000 g
11975601	Guanidine thiocyanate, 99%	100 g
10407520	2-Mercaptoethanol, 99%, pure	10 mL, 250 mL, 1 L, 2.5 L
11328307	Mineral oil	1 kg, 5 x 1 kg
10125503	NADPH tetrasodium salt hydrate, 96%, extra pure	250 mg, 1 g
15492869	Peroxidase, Horseradish	100 mg, 1 g
10358110	Phenylmethanesulfonyl fluoride, 99%	1 g, 5 g, 10 g, 50 g
10555481	Polysorbate 85	25 mL, 250 mL, 1 L, 2.5 L
10297760	Sodium Chloride, 99.85%, DNase, RNase and Protease free	1 kg, 2.5 kg
10068961	Sodium Glycocholate Hydrate, 98%	5 g, 25 g
11439396	Spermidine, 99%	1 g, 5 g, 25 g, 100 g
10655762	L(+)-Tartaric acid, 99+%	500 g, 2.5 kg, 10 kg
10785971	Thiourea, 99%, extra pure	500 g, 1 kg, 5 kg, 25 kg,
10366311	Urea, 99.5%, DNase, RNase and Protease free	1 kg, 5 kg
15493079	Yeast Extract	500 g, 1 kg, 5 kg
15825418	PBS, 10X Solution, pH 7.4, Molecular Biology Grade, Ultrapure	100 mL, 1 L, 5 L



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