



ThermoFisher  
SCIENTIFIC



Chemicals

# Laboratory essentials

For your life science workflow

thermo scientific

Within the Thermo 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 Thermo Scientific 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



## Antibiotics and bioactives

Stock No.	Product Description	Size
29494	Actinomycin D, 93%	1 mg, 5 mg, 25 mg, 100 mg
J60727	Bleomycin sulfate	10 mg, 100 mg
J61949	Carbenicillin disodium salt	1 g, 5 g, 25 g
J67273	Chloramphenicol, 10 mg/ml in ethanol, sterile-filtered	10 mL, 25 mL
35742	Cycloheximide, 95%	1 g, 5 g, 25 g
22848	D-Cycloserine, 98%	1 g, 5 g, 25 g
23030	Dexamethasone, 96%	250 mg, 1 g, 5 g
44606	Doxycycline Hyclate, 97%	5 g, 25 g, 100 g
J60422	Doxycycline hydrochloride	1 g, 5 g, 25 g
J60668	Kanamycin monosulfate	1 g, 5 g, 10 g
J62473	Rapamycin, 99+%	50mg, 100 mg, 200 mg
13285	Sulfanilamide, 98%	100 g, 500 g, 2.5 kg
J62790	Vancomycin hydrochloride	1 g, 5 g
J67140	Zeocin, 100 mg/ml in HEPES, sterile-filtered	1 mL, 5 × 1 mL

## Staining reagents

Stock No.	Product Description	Size
22790	Acid Fuchsin, pure, high purity biological stain	25 g, 100 g, 500 g
22960	Brilliant Green, High Purity Biological Stain	100 g, 500 g
J60823	Methylene Blue trihydrate	25 g, 100 g, 250 g
J60744	Ponceau S, Electrophoresis Grade	10 g, 50 g, 250 g

## Sugars and polysaccharides

Stock No.	Product Description	Size
17777	Alginic acid, sodium salt	5 g, 250 g, 500 g, 2.5 kg
J60687	Alpha-Cyclodextrin, 97+%	5 g, 25 g, 100 g
16135	D(-)-Fructose, 99%	500 g, 1 kg, 2.5 kg, 10 kg
A12813	D-(+)-Galactose, 98%	50 g, 250 g, 1000 g
45074	D(+)-Glucose Monohydrate, Extra Pure	1 kg, 5 kg, 25 kg
J18185	D-(+)-Lactose monohydrate	5 kg
15060	D(+)-Mannose, 99+%	25 g, 100 g, 1 kg, 2.5 kg
17714	D(+)-Sucrose, 99.7%	250 g, 1 kg, 5 kg, 25 kg
18255	D(+)-Trehalose dihydrate, 99%	25 g, 100 g, 500 g, 2.5 kg
J21060	D-(+)-Raffinose pentahydrate, Thermo Scientific	100 g, 500 g, 1kg
J63606	Dextran sulfate sodium salt, MW ca 40,000	25 g, 100 g
12534	D-Mannitol, 98+%	100 g, 500 g, 1 kg, 2.5 kg, 5 kg
30987	D-Trehalose, 99%, anhydrous	25 g, 100 g, 500 g
24192	L(-)-Glucose, 98%	250 mg, 1 g, 5 g, 25 g

## Solvents and additives

Stock No.	Product Description	Size
J67241	Chloroform	500 mL, 1 L, 2.5 L
35480	Dichloromethane, 99.9%, Stabilized With Amylene	2.5 L, 10 L
J66650	Dimethyl sulfoxide, Bioreagent	50 mL, 100 mL, 250 mL, 500 mL, 1 L
32723	Formamide, 99%, DNase, RNase and Protease free	500 mL, 2.5 L
32710	Phenol water saturated solution, DNase, RNase and protease free	500 mL
18078	Phenol, 99+%, loose crystals	100 g, 500 g
32711	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
J61899	Paraformaldehyde, 4% in PBS	250 mL, 500 mL
J19943	Paraformaldehyde solution, 4% in PBS	1 L
32712	Phenol/TRIS saturated solution	500 mL
J62417	Polyvinylpyrrolidone, M.W. 40,000	100 g, 500 g, 1 kg
29381	Trifluoroacetic acid, 99.5%	25 mL, 100 mL, 250 mL, 1 L, 2.5 L

## Buffers and detergents

Stock No.	Product Description	Size
32767	ACES, 99+%	100 g, 250 g, 1 kg
J11254	Ammonium sulfate, ACS, 99+%, Ultrapure	1 kg, 5 kg
A16092	BES, 99%	25 g, 100 g, 500 g
A14957	BICINE, 99%	50 g, 250 g, 1000 g
J12112	Bis-Tris, 98+% (dry basis), Ultrapure, Thermo Scientific	100 g, 500 g, 1 kg
A17037	CAPS, 99%	25 g, 100 g, 500 g
J67359	CHAPS, Electrophoresis grade	5 g, 10 g, 25 g
J13410	Choline chloride, 98+% (dry basis)	5 lb, 10 kg
23042	Dodecyl sulfate, sodium salt, 99%	10 g, 25 g, 100 g, 500 g, 2.5 kg
32726	HEPES sodium salt, 99+%, DNase, RNase and Protease free	100 g, 500 g
17257	HEPES, 99%	25 g, 100 g, 250 g, 1 kg, 5 kg
J63496	Imidazole, 0.5M buffer soln., pH 7.5	100 mL, 250 mL
J67795	Krebs-Ringer Solution, HEPES-buffered	500 mL, 1 L
J60660	Laemmli SDS sample buffer	25 mL, 50 mL
17259	MES hydrate, 99+%	25 g, 100 g, 500 g, 2.5 kg
A12914	MOPS, 99%	25 g, 100 g, 500 g
J62851	Phosphate-buffered saline (PBS, 10X), RNase free	250 mL, 500 mL
17261	PIPES, 98.5+%	25 g, 100 g, 500 g, 2.5 kg
J61928	Sodium acetate, 3M aq. soln.	100 mL, 125 mL, 250 mL
J60434	Sodium chloride, 5M aq. soln.	100 mL, 125 mL, 250 mL
J18220	Sodium dodecyl sulfate (SDS), 95+%	500 g, 1 kg, 5 kg
J77504	Sodium dodecylsulfate, 10% solution, Ultrapure, Thermo Scientific	100 mL, 500 mL, 1 L
J60825	Sodium phosphate, 0.5M buffer	250 mL, 500 mL
A15583	Sucrose, 99% 2.5KG	500 g, 2500 g, 10000 g
J75793	TE Buffer, 1X Solution pH 8.0, low EDTA, Molecular Biology Grade	100 mL, 500 mL
20751	TES, 99%	25 g, 100 g
J64437	Tricine, Electrophoresis grade, 99%	100 g, 500 g
32734	TRIS EDTA buffer, DNase, RNase, protease free ready to use, PH 8.0	500 mL
J60316	Tris(2-carboxyethyl)phosphinehydrochloride, 98%	2 g, 5 g, 10 g
16762	Tris(hydroxymethyl)aminomethane, 99.8%, for analysis	100 g, 1 kg, 5 kg
J61038	TRIS, 1.0M buffer soln., pH 8.	500 mL
J60497	TRIS-buffered saline (TBS, 20X), with 2% Tween 20	1 L, 2 L
J61006	TRIS-glycine-SDS running buffer	1 L, 2 L, 4 L
42236	Triton X-114	500 mL, 2.5 L
32737	Triton X-100, 98% DNase, RNase and protease free	100 mL, 250 mL
J63596	Tween 20 washing buffer, 0.5%in PBS (10X)	500 mL, 1 L, 2 L
32739	Water, DNase, RNase and protease free	1 L, 5 L

## Core life science reagents

Stock No.	Product Description	Size
14893	Acetic Acid	1 L, 2.5 L, 10 L
16483	Acrylamide, 98.5%, extra pure	500 g, 2.5 kg, 10 kg
J60868	Acrylamide/Bisacrylamide Solution (40%, 37.5:1)	500 mL, 1 L
L14522	Adenosine-5'-triphosphate disodium salt hydrate, 99%, water <10%	1 g, 5 g
32811	AEBSF Hydrochloride, 98%	50 mg, 1 g
44357	Agar, Bacteriological Grade	250 g, 1k g, 5 kg
J75817	Agarose - Separation  > 500 bp, Genetic Performance Certified, Molecular Biology Grade, Ultrapure	100 g, 250 g, 500 g
J32802	Agarose LE, Molecular Biology Grade, Ultrapure	25 g, 100 g, 250 g, 500 g, 1 kg
10502	L(+)-Ascorbic acid, 99%	100 g, 500 g, 2.5 kg
10504	L(+)-Aspartic acid, 98+%	100 g, 500 g, 2.5 kg, 10 kg
J63279	BioAcryl-P (30%, 29:1)	500 mL, 1 L
B20061	Deoxycholic acid, 99% 25G	25 g, 100 g, 500 g
J14489	Dextran sulfate sodium salt	10 g, 50 g, 100 g
17166	Dithioerythritol, 99+%	1 g, 5 g, 25 g
32719	DL-1,4-Dithiothreitol, 99+%, DNase, RNase and protease free	1 g, 10 g, 50 g
11843	Ethylenediaminetetraacetic acid, 99%, pure	250 g, 1 kg, 5 kg
32022	L(-)-Glutathione, oxidized, 98%	500 mg, 5 g
J62166	L-Glutathione, reduced, 98+%	5 g, 25 g, 100 g
32725	Glycerol, 99.5%, DNase, RNase and protease	500 mL
12007	Glycine, 98%, extra pure	250 g, 1 kg, 5 kg, 25 kg
A13543	Guanidine hydrochloride, 98%	250 g, 1000 g, 5000 g
43394	Guanidine thiocyanate, 99%	100 g
12547	2-Mercaptoethanol, 99%, pure	10 mL, 250 mL, 1 L, 2.5 L
031911	Mineral oil	1 kg, 5 x1 kg
32874	NADPH tetrasodium salt hydrate, 96%, extra pure	250 mg, 1 g
J60026	Peroxidase, Horseradish	100 mg, 1 g
21574	Phenylmethanesulfonyl fluoride, 99%	1 g, 5 g, 10 g, 50 g
33415	Polysorbate 85	25 mL, 250 mL, 1 L, 2.5 L
32730	Sodium Chloride, 99.85%, DNase, RNase and Protease free	1 kg, 2.5k g
36946	Sodium Glycocholate Hydrate, 98%	5 g, 25 g
A19096	Spermidine, 99%	1 g, 5 g, 25 g, 100 g
13785	L(+)-Tartaric acid, 99+%	500 g, 2.5 kg, 10 kg
13891	Thiourea, 99%, extra pure	500 g, 1 kg, 5 kg, 25 kg,
32738	Urea, 99.5%, DNase, RNase and Protease free	1 kg, 5 kg
J60287	Yeast Extract	500 g, 1 kg, 5 kg
J75889	PBS, 10X Solution, pH 7.4, Molecular Biology Grade, Ultrapure	100 mL, 1 L, 5 L

 To browse the complete list of products  
go to [thermofisher.com/chemicals](https://thermofisher.com/chemicals)

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use. © 2021 Thermo Fisher Scientific Inc. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. **10\_2021**