

••• Inspiring Innovation ◦◦◦

Power Your

Protein Research

From **Collection** to **Analysis**

 **fisher scientific**
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Understanding the Molecules of Life

Central to many processes of the human body, proteins hold the key to exciting developments and discoveries in research, medicine, pharmaceuticals, and biotechnology. Unlock the potential of proteins by supporting the critical steps of your workflow with products and expertise from the Fisher Scientific channel.



Collect

Express and Extract

- Expression Kits, Reagents, and Vectors
- Cell Lysis Detergents
- Extraction Reagents
- Mechanical Homogenizers



Process

Isolate and Purify

- Magnetic Beads and Systems
- Ion Exchange Columns and Systems
- Dialysis Cassettes
- Purification Instruments



Analyze

Measure and Assess

Western Blotting

- Protein Gels
- Molecular Weight Markers
- Membranes
- Substrates
- Gel Documentation and Analysis Systems

ELISA

- Microplates
- Reagents and Substrates
- Kits
- ELISPOT Sets
- Imaging Systems

Trademarks: 1-Step, Agilent, AlphaGuard, AlphaProTech, ART, BD, B-PER, Bandmate, BioTek, Bolt, Capto, Cytiva, Dynabeads, Epoch, Expi293, ExpiCHO, ExpiSf, EZ-Run, FastPrep-24, Fisher Bioreagents, Fisherbrand, Gibco, Greiner Bio-One, Halt, HandPRO, HiPrep, HisPur, HiTrap, Hourglass International, I-PER, iBind, Immobilon, Invitrogen, KingFisher, M-PER, Magna ChIP, MagnaBind, MembranePro, Micro BCA, MilliporeSigma, Mirus Bio, MP Biomedicals, Novex, NuPAGE, PageRuler, Pierce, PureProteome, Quantikine, R&D Systems, Rainbow, Scion700, Sepharose, Slide-A-Lyzer, Spectra, SuperSignal, Surfact-Amps, Syngene, Thermo Scientific, *TransIT-PRO*, Tween, WedgeWell, Y-PER

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We're more than just products. Dedicated Fisher Scientific specialists are available to help you with every step of your work. Plus, we offer a range of programs to help you achieve more.



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Collect

Whether you're extracting protein from primary tissues, cells grown in culture, or cell-free systems, select from product options that meet a range of protein expression and extraction requirements.

Protein Expression Kits, Reagents, and Vectors

Achieve high protein yields for your downstream applications.

Description	Quantity	Cat. No.
Gibco Expression Kits		
Expi293 GnTI- Expression System Kit	Each	A39250
Expi293 Inducible Expression System Kit	Each	A39251
Expi293 Inducible GnTI- Expression System Kit	Each	A39252
Expi293 MembranePro Expression System Kit	Each	A25870
ExpiCHO Expression System Kit	Each	A29133
ExpiSf Expression System Starter Kit	Each	A38841
Mirus Bio Transfection Kits and Reagents		
TransIT-PRO Transfection Kit, Includes 1 mL TransIT-PRO Reagent, 1.5 mL PRO Boost Reagent	Each	MIR5700
TransIT-PRO Transfection Reagent	1 mL	MIR5740
Thermo Scientific Vectors for Mammalian Cell-Free Protein Expression		
pT7CFE1-Cftag	10 µg	PI88866
pT7CFE1-CGFP-HA-His	10 µg	PI88869
pT7CFE1-CHis	10 µg	PI88860
pT7CFE1-CMyc	10 µg	PI88864



Thermo Scientific Detergent Solutions

Lyse cells, solubilize membrane proteins and lipids, control protein crystallization, and more.

Description	Quantity	Cat. No.
Tween 20 Surfact-Amps Detergent Solution	6 x 10 mL	PI28320
	50 mL	PI85113
	250 mL	PI85114
	500 mL	PI85115
	1 L	PI28321
Tween 80 Surfact-Amps Detergent Solution	6 x 10 mL	PI28328
	50 mL	PI28329
	500 mL	PI28230



Thermo Scientific Protein Extraction Reagents

Efficiently lyse cells and tissues to extract proteins.

Description	Quantity	Cat. No.
B-PER Bacterial	165 mL	PI78243
	250 mL	PI90084
	500 mL	PI78248
I-PER Insect Cell	250 mL	PI89802
M-PER Mammalian	25 mL	PI78503
	250 mL	PI78501
	1 L	PI78505
Y-PER Yeast	200 mL	PI78991
	500 mL	PI78990
RIPA Lysis and Extraction Buffer	100 mL	PI89900
	250 mL	PI89901



Bead Homogenizers

Effectively and efficiently grind, lyse, and homogenize samples for RNA and DNA extractions.

Description	Cat. No.
MP Biomedicals FastPrep-24 Classic Instrument	MP116004500
MP Biomedicals FastPrep-24 5G Instrument	11-600-5500
Fisherbrand Bead Mill 24 Homogenizer	15-340-163
Fisherbrand Bead Mill 4 Mini Homogenizer	15-340-164



Process

Choose from a variety of magnetic beads, columns, dialysis tools, and more to support your protein isolation, purification, and separation.

MilliporeSigma Magnetic Beads and Systems

Purify biotinylated molecules with reduced mechanical stress and less handling time.

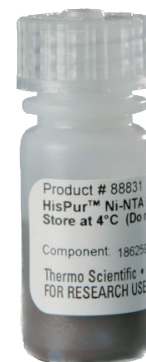
Description	Quantity	Cat. No.
Magna ChIP Protein AG	1 mL	16-663
PureProteome Protein A Magnetic Bead System	2 x 1 mL	LSKMAGA02
	10 mL	LSKMAGA10
PureProteome Protein G Magnetic Bead System	2 x 1 mL	LSKMAGG02



Thermo Scientific Magnetic Beads

Explore a variety of protein- and antibody-coated magnetic beads for your affinity purifications.

Description	Quantity	Cat. No.
HisPur Ni-NTA	2 mL	PI88831
	10 mL	PI88832
MagnaBind Protein A	5 mL	PI21348
MagnaBind Protein G	5 mL	PI21349
Pierce NHS-Activated	5 mL	PI88827
Pierce Protein A	1 mL	PI88845
	5 mL	PI88846
Pierce Protein G	1 mL	PI88847
Pierce Protein L	1 mL	PI88849
Pierce Streptavidin	5 mL	PI88817
Pierce Glutathione Magnetic Agarose Beads	4 mL	PI78601
	20 mL	PI78602
Pierce Protein A/G Magnetic Agarose Beads	20 mL	PI78610



Purification Instruments

Perform reproducible nucleic acid purification, proteomics, and cell isolation with minimal hands-on time.

Description	Cat. No.
Thermo Scientific KingFisher Duo Prime Purification System	14-387-700



Invitrogen Dynabeads Magnetic Beads

Perform immunoprecipitations without the need for pre-treatment, columns, slurries, or centrifugation.

Description	Quantity	Cat. No.
Protein A for Immunoprecipitation	5 mL	10-002-D
Protein G for Immunoprecipitation	5 mL	10-004-D
Antibody Coupling Kit	Each	14-311-D



Cytiva Protein Purification Ion Exchange Columns

Select from multiple preparatory and purification column options designed to help determine selectivity, binding, and elution conditions or perform small-scale purifications.

Description	Quantity	Cat. No.
HiPrep Heparin Fast Flow 16/10	1 x 20 mL	45-002-075
HiPrep Q Fast Flow 16/10	20 mL	45-002-071
HiPrep Q HP 16/10	20 mL	45-000-555
HiPrep Q XL 16/10	20 mL	45-002-068
HiTrap Capto Q ImpRes IEX	5 x 1 mL, 5/Pack	45-002-520
HiTrap CM Sepharose Fast Flow IEX	5 x 5 mL, 5/Pack	45-000-292
HiTrap DEAE Sepharose Fast Flow IEX	5 x 5 mL, 5/Pack	45-000-291
HiTrap IEX SP Sepharose HP Prepacked	5 x 5 mL, 5/Pack	45-002-192
HiTrap IEX Q Sepharose HP Prepacked	5 x 5 mL, 5/Pack	45-000-194
HiTrap Q Sepharose Fast Flow IEX	5 x 5 mL, 5/Pack	45-000-293
HiTrap Q Sepharose XL IEX	5 x 5 mL, 5/Pack	45-000-296
HiTrap SP Sepharose Fast Flow IEX	5 x 5 mL, 5/Pack	45-000-294
HiTrap SP Sepharose XL IEX	5 x 5 mL, 5/Pack	45-000-298



Thermo Scientific Slide-A-Lyzer G3 Dialysis Cassettes

These single-use dialysis devices offer an easy-to-use and secure alternative to traditional dialysis tubing—no more knots or clips.

Description	Capacity	Cat. No.
10K MWCO	30 mL	PIA52973
2K MWCO	3 mL	PIA52961
Irradiated 10K MWCO	15 mL	PIA52982
3.5K MWCO	70 mL	PIA52969



Analyze

Quantify the protein in your samples and perform subsequent analysis using western blotting and ELISA techniques. We offer gels, markers, membranes, microplates, reagents, substrates, kits, and more.

Western Blotting Products

Invitrogen Mini Protein Gels

Use these pre-cast polyacrylamide gels for reliable and consistent performance and reproducibility.

Description	Wells	Gel Thickness	Cat. No.
NuPAGE 4 to 12%, Bis-Tris, 1.0 to 1.5 mm	10	1.0 mm	NP0321BOX
NuPAGE 4 to 12%, Bis-Tris, 1.0 to 1.5 mm	10	1.5 mm	NP0335BOX
Bolt 4 to 12%, Bis-Tris	10	1.0 mm	NW04120BOX
Novex WedgeWell 4 to 20%, Tris-Glycine	10	1.0 mm	XP04200BOX



Molecular Weight Markers for Protein Separations

Choose from a variety of stained and unstained markers and ladders in your choice of molecular weight ranges.

Description	Quantity	Cat. No.
Cytiva Rainbow Molecular Weight Markers (2 mg/mL)	250 µL	45-001-591
Fisher Bioreagents EZ-Run Prestained Rec Protein Ladder	2 x 500 µL	BP36031
Thermo Scientific PageRuler Plus Prestained Protein Ladder, 10 to 250 kDa	10 x 250 µL	PI26620
Thermo Scientific PageRuler Prestained Protein Ladder, 10 to 180 kDa	2 x 250 µL	PI26616
	10 x 250 µL	PI26617
Thermo Scientific PageRuler Unstained Broad Range Protein Ladder	2 x 250 µL	PI26630
Thermo Scientific Spectra Multicolor Broad Range Protein Ladder	10 x 250 µL	PI26623



Invitrogen Western Blotting Equipment

Capture and analyze protein and DNA gels and other chemiluminescent and fluorescent blots.

Description	Cat. No.
Bandmate Automated Western Blot Processor	BW1000
Invitrogen iBind Western Starter Kit, Fluorescent Detection	SLF1002S



Thermo Scientific SuperSignal Western Blotting Substrates

Use these enhanced substrates to detect protein in the attogram (10^{-18}), femtogram (10^{-15}), and picogram (10^{-12}) range.

Description	Quantity	Cat. No.
West Atto Ultimate Sensitivity	20 mL	PIA38554
West Dura Extended Duration	100 mL	PIA34075
West Femto Maximum Sensitivity	200 mL	PI34096
West Pico PLUS Chemiluminescent	500 mL	PI34580



Get Started with Invitrogen Western Blotting Welcome Packs

Packs include a mini gel tank, plus gels, buffers, and standards for protein electrophoresis.

Product Name	Wells	Cat. No.
Bolt Bis-Tris Plus Mini Gel, 4 to 12%	10	NW0412A



Syngene Gel Documentation and Analysis Systems

Rapidly and accurately image and analyze fluorescence and visible gels, multiplexed fluorescent westerns, stain-free gels, and chemiluminescent blots.

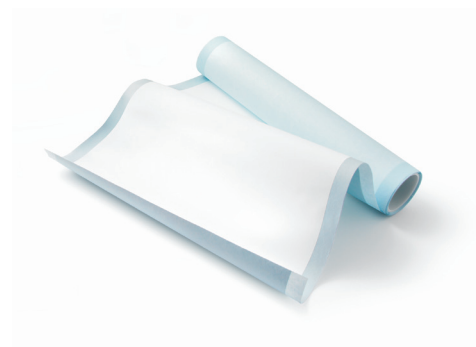
Description	Lens	Cat. No.
G:BOX Chemi XX6, 6MP	F0.95	01-257-167
	F0.8	01-257-169
G:BOX Chemi XX9, 9.1 MP	F0.95	01-257-171
	F0.8	01-257-172



MilliporeSigma Western Blotting Membranes

Find membranes compatible with fluorescent, chemifluorescent, chromogenic, and chemiluminescent detection protocols.

Description	Format	Dimension	Cat. No.
Immobilon-NC Transfer	Roll	33 cm x 3 m	HATF00010
Immobilon-FL PVDF	Sheet	10 x 10 cm	IPFL10100
	Sheet	20 x 20 cm	IPFL20200
Immobilon-P PVDF	Sheet	9 x 12 cm	IPVH09120
	Sheet	10 x 10 cm	IPVH10100



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Analyze

ELISA Products

Microplates

Choose from multiple microplate options for performing ELISA, agglutination, and other manual and automated assays.

Description	Plate Color	Well Bottom	Cat. No.
Fisherbrand High-Binding 96-Well Plates	Clear	Flat	21-377-203
Fisherbrand Untreated 96-Well Polystyrene Plates	Clear	Flat	12-565-501
Fisherbrand Untreated 384-Well Polystyrene Plates	Clear	Flat	12-565-506
Greiner Bio-One High-Throughput 96-Well Solid Bottomed Microplates	Clear	Flat	07-000-125



ELISA Reagents and Substrates

Find the right substrates and reagents for your specific ELISA assay.

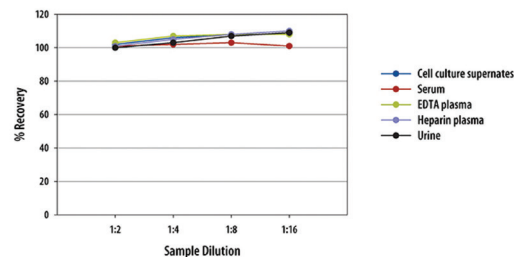
Description	Quantity	Cat. No.
R&D Systems Substrate Reagent Pack	Each	DY999
Thermo Scientific SuperSignal ELISA Femto Substrate	100 mL Kit	PI37075
Thermo Scientific 1-Step Turbo TMB-ELISA Substrate Solution	250 mL	PI34022
Thermo Scientific Pierce PNPP Substrate Kit	Each	PI37620
Thermo Scientific Pierce TMB Substrate Kit	Each	PI34021



R&D Systems Quantikine ELISA Kits

These solid phase sandwiches help you quantify growth factors and antibodies in ELISA assays.

Description	Quantity	Cat. No.
Human GDF-15 Kit	Each	DGD150
Human Free BDNF Kit	Each	DBD00
Human GM-CSF Kit	Each	DGM00
Human IFN-gamma Kit	6 Plates/Pack	SIF50C
Human IL-6 Kit	Each	D6050
Human IL-17 Kit	Each	D1700
Total MMP-2 Kit	Each	MMP200
Rat TNF-alpha Kit	6 Plates/Pack	SRTA00
Human VEGF Kit	Each	DVE00



BD ELISPOT Sets

Contains sufficient capture antibody, detection antibody, and streptavidin-horseradish peroxidase to perform 10 x 96 tests.

Description	Quantity	Cat. No.
Human Granzyme B	10 x 96 Tests	BDB552572
Human IFN-gamma	10 x 96 Tests	BDB551849
Human IL-2	10 x 96 Tests	BDB551282
Human IL-4	10 x 96 Tests	BDB551084
Human IL-5	10 x 96 Tests	BDB551085
Mouse IL-6	10 x 96 Tests	BDB552567
Human IL-10	10 x 96 Tests	BDB551018
Human IL-12 p70	10 x 96 Tests	BDB552574
Human TNF	10 x 96 Tests	BDB551446



Agilent BioTek ELISA Imaging Systems

Measures UV-Vis absorbance in 6- to 384-well microplates, cuvetts, and in microvolume samples.

Description	Cat. No.
Epoch 2 Microplate Spectrophotometer	BTEPOCH2TSC



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Protein Research Essentials

Depend on our extensive offering of assays, pipette tips, and more to support your daily work and routines.

Thermo Scientific Protease and Phosphatase Inhibitors

Description	Quantity	Cat. No.
Halt Protease Inhibitor Cocktail (100X)	24 x 100 µL	PI78430
	1 mL	PI87786
	5 mL	PI78429
	10 mL	PI78438
Halt Protease Inhibitor Cocktail, EDTA-Free (100X)	24 x 100 µL	PI78425
	1 mL	PI87785
	5 mL	PI78437
	10 mL	PI78439
Halt Protease and Phosphatase Inhibitor Cocktail (100X)	24 x 100 µL	PI78442
	1 mL	PI78440
	5 x 1 mL	PI78444
	10 mL	PI78446



Thermo Scientific Total Protein Assays

Description	Quantity	Cat. No.
Pierce Bovine Serum Albumin Standard Pre-Diluted Set	7 x 3.5 mL	PI23208
Pierce Rapid Gold BCA Protein Assay Kit	20 mL	PIA53227
	250 mL	PIA53226
	500 mL	PIA53225
Micro BCA Protein Assay Kit	500 mL	PI23235
Pierce BCA Protein Assay Kit	500 mL	PI23227
	1 L	PI23225
Pierce Bovine Serum Albumin Standard Ampules, 2 mg/mL	10 x 1 mL	PI23209
Pierce Coomassie Bradford Protein Assay Kit	950 mL	PI23200
Pierce Coomassie Plus Bradford Assay Kit	950 mL	PI23236
Pierce Detergent Compatible Bradford Assay Kit	300 Tests	PI23246



Thermo Scientific Pipette Tips for Gel Loading

Description	Quantity	Cat. No.
ART Filtered Tips	20 µL	21-236-20
	100 µL	21-236-9
ART Non-Filtered Gel 200 Universal-Fit Pipette Tips, Tip Width: 0.4 mm	200 µL	21-236-74
ART Non-Filtered Gel 200 Universal-Fit Pipette Tips, Tip Width: 0.6 mm	200 µL	21-402-174



Thermo Scientific ELISA Pipette Tips

Description	Quantity	Cat. No.
ART Barrier Tips, Standard, Reload System	10 µL	13-811-100
	20 µL	13-811-114
	200 µL	13-811-124
	300 µL	13-811-141
ART Barrier Tips, Extended Length, Reload System	1,000 µL	13-811-154
ART Non-Filtered Tips, Reload System	10 µL	13-811-106
	20 µL	13-811-121
	200 µL	13-811-131
	1,000 µL	13-811-161



Hourglass International Gloves

Description	Size	Cat. No.
HandPRO Scion700 Nitrile Exam Gloves	X-Small	17-900-912
	Small	17-900-913
	Medium	17-900-914
	Large	17-900-915
	X-Large	17-900-916



AlphaProTech Lab Coats

Description	Color	Cuff Style	Size	Cat. No.
AlphaGuard Lab Coats	White	Knit	Large*	19-130-1466C
	White	Elastic	Large*	19-130-1467C
	Blue	Knit	Large*	19-130-4254
	White	Knit	X-Large*	19-130-1466D
	White	Elastic	X-Large*	19-130-1467D
	Blue	Knit	X-Large*	19-130-4255



*Other sizes available

Related Applications and Resources

Look to the Fisher Scientific channel to support a broad spectrum of your research. Explore these categories to find products and information to enhance your workflows and drive your discoveries.



Protein Biology Methods

Shop products from top brands for isolation, purification, separation, and detection.

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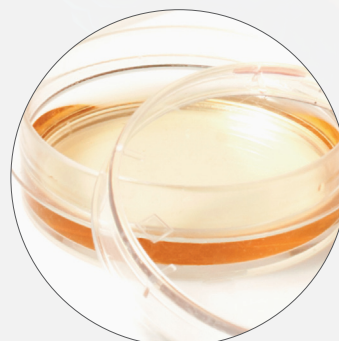
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Life Sciences Chromatography

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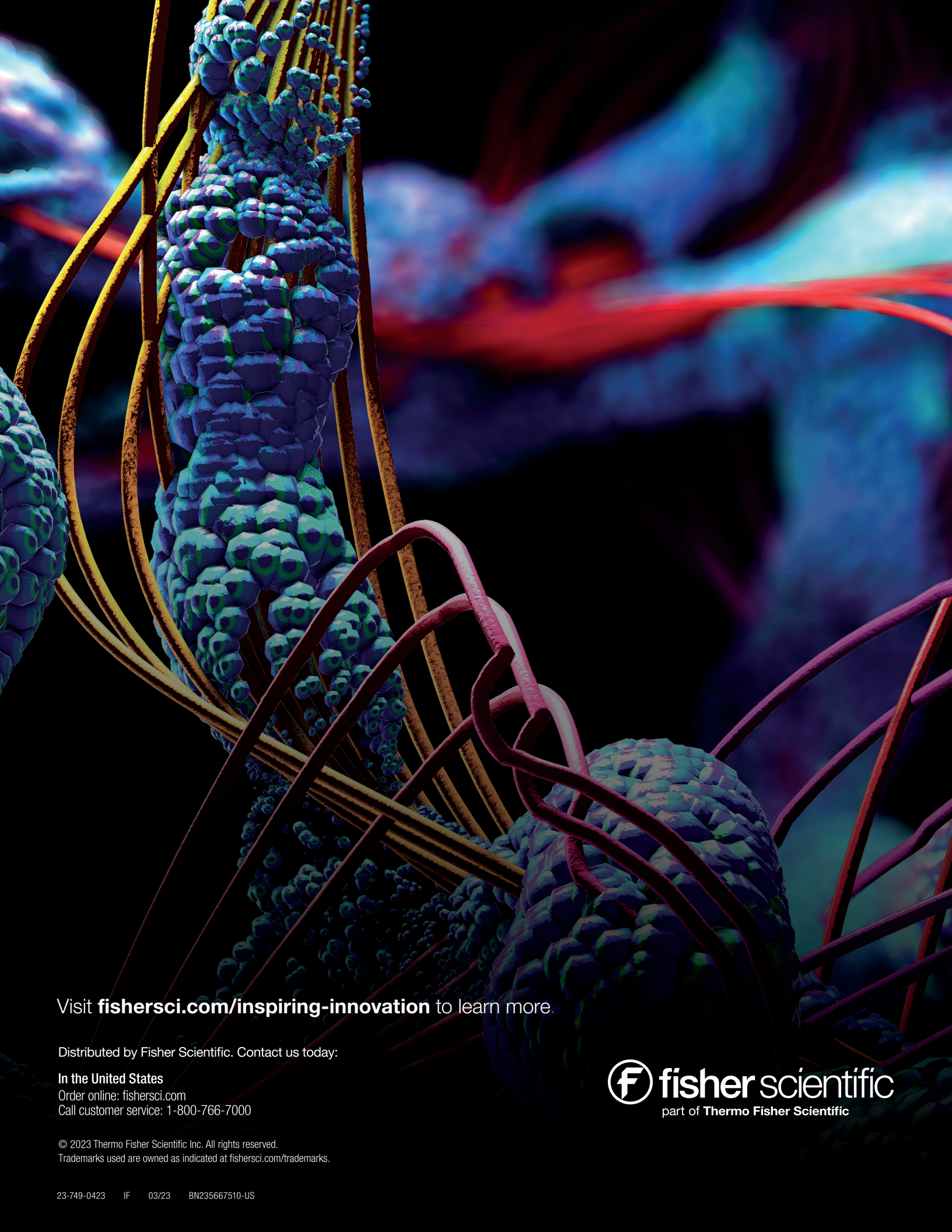
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