



Your Favorite
Workflow Essentials

Transfection Reagents and Electroporation Products

Set your lab up for success

with products from Thermo Fisher Scientific, Mirus Bio, and BTX — all available through the Fisher Scientific channel. Browse the following selection of transfection and electroporation essentials or explore our complete portfolio online.



Looking for something else? Contact your Fisher Scientific sales representative for assistance.

invitrogen

gibco

Mirus

BTX
a division of Harvard Bioscience, Inc.

Trusted for Efficient Transfection

Further your accomplishments in the lab with Thermo Fisher Scientific systems, kits, and reagents that help facilitate reliable delivery and transfection for a variety of cell types.

Invitrogen™ Neon™ Transfection Systems and Kits

For high-efficiency transfection of mammalian cells, including primary and stem cells.

Cat. No.	Description	Quantity
MPK5000	Neon Transfection System, Includes Electroporation Device, Pipette and Pipette Station, USB Thumb Drive, Operating Manual, Power Cord	Each
MPK5000S	Neon Transfection System Starter Pack, Includes Electroporation Device, Pipette and Pipette Station, USB Thumb Drive, Operating Manual, Power Cord, MPK1096 and MPK10096 Kits	Each
MPK1096	Neon Transfection Kits, 2 x 96 Reactions	10 µL
MPK10096		100 µL



Gibco™ Expi293™ Expression Systems and Kits

Scale your transfection of cells in a chemically defined, serum-free medium.

Cat. No.	Description	Quantity
A14635	Expi293 Expression System Kit	Each
A14524	ExpiFectamine 293 Transfection Kits	1 L
A14525		10 L
A14526		5 x 10 L



Thermo Scientific™ TurboFect™ *In Vivo* Transfection Reagents

Deliver DNA plasmids and expression vectors into eukaryotic cells with efficiency and ease.

Cat. No.	Description	Quantity
FERR0541	TurboFect Transfection Reagent	120 µL
FERR0531		1 mL

Thermo Fisher Scientific Transfection Kits



Invitrogen™ Lipofectamine™ 2000 Transfection Reagents

Used for siRNA- and shRNA-based gene knockdown experiments and gene expression studies.

Cat. No.	Description	Quantity
11-668-027		0.75 mL
11-668-019	Lipofectamine 2000 Transfection Reagents	1.5 mL
11-668-500		15 mL

Invitrogen Lipofectamine Transfection Reagents

Use this first-generation, cationic-lipid reagent for the transfection of DNA into eukaryotic cells.

Cat. No.	Description	Quantity
18-324-012	Lipofectamine	1 mL
18-324-020	Transfection Reagents	4 mL

Invitrogen Lipofectamine 2000 CD Transfection Reagents

Transfect nucleic acids into eukaryotic cells with this animal origin-free and chemically defined formula.

Cat. No.	Description	Quantity
12-566-014	Lipofectamine 2000 CD Transfection Reagent	1 mL

Invitrogen Lipofectamine 3000 Transfection Reagents

Improve cell viability and transfection efficiency with advanced lipid nanoparticle technology.

Cat. No.	Description	Quantity
L3000001		0.1 mL
L3000008		0.75 mL
L3000015	Lipofectamine 3000 Transfection Reagents, 24-Well Plate	1.5 mL
L3000075		5 x 1.5 mL
L3000150		15 mL

Invitrogen™ Lipofectamine™ LTX Reagent with PLUS™ Reagents

Perform gene expression conveniently and efficiently in both common and challenging cell types.

Cat. No.	Description	Quantity
15-338-030		0.3 mL
15-338-100	Lipofectamine LTX Reagents	1 mL
15-338-500		15 mL

Thermo Fisher Scientific Transfection Kits



Invitrogen Lipofectamine RNAiMAX Transfection Reagents

Experience high transfection efficiencies for siRNA-mediated gene knockdown experiments.

Cat. No.	Description	Quantity
13-778-100		0.1 mL
13-778-030		0.3 mL
13-778-075	Lipofectamine RNAiMAX Transfection Reagents	0.75 mL
13-778-150		1.5 mL
13-778-500		15 mL

Invitrogen™ Lipofectamine™ MessengerMAX™ Transfection Reagents

Enable improved outcomes, more biologically relevant results, and high mRNA yields.

Cat. No.	Description	Quantity
LMRNA001		0.1 mL
LMRNA003	Lipofectamine	0.3 mL
LMRNA008	MessengerMAX	0.75 mL
LMRNA015	Transfection Reagents	1.5 mL
LMRNA150		15 mL

Invitrogen Lipofectamine Stem Transfection Reagents

Optimized to achieve minimal early differentiation in a wide range of stem cells.

Cat. No.	Description	Quantity
STEM00001		0.1 mL
STEM00003	Lipofectamine Stem	0.3 mL
STEM00008	Transfection Reagents	0.75 mL
STEM00015		1.5 mL

Invitrogen™ Lipofectamine™ CRISPRMAX™ Cas9 Transfection Reagents

Designed for CRISPR-Cas9 protein delivery with demonstrated cleavage efficiency in many cell types.

Cat. No.	Description	Quantity
CMAX00001		0.1 mL
CMAX00003	Lipofectamine	0.3 mL
CMAX00008	CRISPRMAX Cas9	0.75 mL
CMAX00015	Transfection Reagents	1.5 mL

Expertly Designed Delivery Systems

Explore the following Mirus Bio™ products to help enhance your transfection workflow, delivering the results you want alongside necessary support and technology.

Mirus Bio™ *TransIT-X2™* Dynamic Delivery System

Complete your plasmid DNA and siRNA/miRNA transfection in media-containing serum.

Cat. No.	Description	Quantity
MIR6000		0.3 mL
MIR6003		0.75 mL
MIR6004	<i>TransIT-X2</i> Dynamic Delivery System	1.5 mL
MIR6005		5 x 1.5 mL
MIR6006		10 x 1.5 mL



Mirus Bio™ *Ingenio™* *EZporator™* Electroporation System

For gene expression, RNAi, stable cell line generation, CRISPR/Cas9 genome editing, and more.

Cat. No.	Description	Quantity
MIR51000	<i>EZporator</i> Electroporation System, Includes Pulse Generator, Cuvette Chamber, and Power Cords	Each



Mirus Bio™ *Ingenio™* Electroporation Kits

Includes *Ingenio* solution, cuvettes, and cell droppers for plasmid or siRNA electroporation.

Cat. No.	Description	Quantity
MIR50112		25 Reactions
MIR50115	For Use with Lonza Amaxa™ Nucleofector™ Electroporators	50 Reactions
MIR50118		100 Reactions
MIR50113		25 Reactions
MIR50116	For Use with Bio-Rad™ Gene Pulser and Harvard-BTX™ Electroporators	50 Reactions
MIR50119		100 Reactions



Mirus Bio Transfection Kits



Mirus Bio *TransIT-VirusGEN SELECT* Transfection Reagents

Achieve large-scale virus production using HEK 293 cells for preclinical and early-phase clinical trials.

Cat. No.	Description	Quantity
MIR6730	<i>TransIT-VirusGEN SELECT</i> Transfection Reagent	30 mL

Mirus Bio™ *TransIT-VirusGEN™* Transfection Reagents

Enhance the delivery of packaging and transfer vectors to adherent and suspension HEK 293 cell types.

Cat. No.	Description	Quantity
MIR6703		0.3 mL
MIR6704		0.75 mL
MIR6700	<i>TransIT-VirusGEN</i> Transfection Reagents	1.5 mL
MIR6705		5 x 1.5 mL
MIR6706		10 x 1.5 mL

Mirus Bio Ingenio Electroporation Solutions

Facilitate efficient and reliable delivery of nucleic acids to chemically resistant eukaryotic cells.

Cat. No.	Description	Quantity
MIR50111		25 Reactions
MIR50114	Ingenio Electroporation Solutions	50 Reactions
MIR50117		100 Reactions

Mirus Bio™ *TransIT™-LT1* Transfection Reagents

Perform both transient and stable transfections in primary and other mammalian cell types.

Cat. No.	Description	Quantity
MIR2304		0.4 mL
MIR2300	<i>TransIT-LT1</i> Transfection Reagents	1 mL
MIR2305		5 x 1 mL
MIR2306		10 x 1 mL

Mirus Bio™ *TransIT-2020* Reagents

Deliver plasmid DNA into mammalian cells with a high-performance and broad-spectrum reagent.

Cat. No.	Description	Quantity
MIR5404		0.4 mL
MIR5400	<i>TransIT-2020</i> Reagent	1 mL
MIR5405		5 x 1 mL
MIR5406		10 x 1 mL

Meeting Your Every Need

Find BTX™ electroporation and electrofusion products and access their library of protocols and publications for information about *in vivo* and *in vitro* studies.



BTX™ ECM™ 630 Exponential Decay Wave Electroporators

For efficient transformation of some mammalian cell types, bacteria, yeast, and other microorganisms.

Cat. No.	Description	Quantity
BTX450652	ECM 630 Generator Only	Each
BTX452051	ECM 630 Generator with Safety Dome	Each
BTX450651	ECM 630 Generator with Safety Stand	Each
BTX450655	ECM 630 Electroporation System for Cuvettes with Monitoring	Each
BTX450656	ECM 630 High-Throughput Electroporation System with Monitoring	Each
BTX450654	ECM 630 High-Throughput Electroporation System, 96-Well with HT-100 Plate Handler	Each
BTX450657	ECM 630 High-Throughput Electroporation System, 25-Well with HT-200 Automatic Plate Handler	Each
BTX450658	ECM 630 High-Throughput Electroporation System, 96-Well with HT-200 Automatic Plate Handler	Each



BTX ECM 830 Square Wave Electroporators

Suitable for *in vitro* and *in vivo* gene, drug, and protein delivery in a variety of cells.

Cat. No.	Description	Quantity
BTX452052	ECM 830 Generator Only	Each
BTX450662	ECM 830 Generator with Safety Dome	Each
BTX450661	ECM 830 Generator with Safety Stand	Each
BTX450663	ECM 830 High-Throughput Electroporation System, 25-Well with HT-100 Plate Handler	Each
BTX450665	ECM 830 High-Throughput Electroporation System, 96-Well with HT-100 Plate Handler	Each
BTX450666	ECM 830 High-Throughput Electroporation System, 96-Well with HT-200 Automatic Plate Handler	Each
BTX450667	ECM 830 Electroporation System for Cuvettes with Monitoring	Each
BTX450668	ECM 830 High-Throughput Electroporation System with Monitoring	Each

BTX Harvard Electroporation

BTX™ Gemini Twin Wave Electroporators

Offer both square wave and exponential decay wave electroporation in a single unit.

Cat. No.	Description	Quantity
BTX452040	Gemini X2 Electroporation System for Cuvettes	Each
BTX452041	Gemini X2 Electroporation Generator Only	Each
BTX452042	Gemini SC Electroporation System for Cuvettes	Each
BTX452043	Gemini SC Electroporation Generator Only	Each
BTX452044	Gemini X2 High-Throughput Electroporation System, 96-Well with HT-200 Automatic Plate Handler	Each



BTX ECM 2001+ Electrofusion and Electroporation Generators

Experience fast and efficient cell fusion in hybridoma production, hybrid cell formation, and more.

Cat. No.	Description	Quantity
BTX452045	ECM 2001+ Cell Fusion System	Each
BTX452046	ECM 2001+ Electroporation System for Cuvettes	Each
BTX452047	ECM 2001+ Embryo Manipulation System	Each
BTX452048	ECM 2001+ Hybridoma Production System	Each
BTX452049	ECM 2001+ Generator Only	Each
BTX452050	ECM 2001+ Electroporation System for Cuvettes with Monitoring	Each



BTX™ Genetrodes™ Reusable Electrodes and Kits

Include paired, needle-style, and reusable gold-tipped electrodes for *in vivo*, *ex vivo*, and *in ovo* gene delivery.

Cat. No.	Description	Quantity
BTX508	Genetrodes Straight Electrode for General <i>In Vivo</i> Applications, L: 5 mm (0.19 in.)	Each
BTX510	Genetrodes Straight Electrode for General <i>In Vivo</i> Applications, L: 10 mm (0.39 in.)	Each
BTX512	Genetrodes L-Shaped Electrode for <i>In Vivo</i> and <i>In Ovo</i> Applications, L: 5 mm (0.19 in.)	Each
BTX514	Genetrodes L-Shaped Electrode for <i>In Vivo</i> and <i>In Ovo</i> Applications, L: 3 mm (0.11 in.)	Each
BTX516	Genetrodes L-Shaped Electrode for <i>In Vivo</i> and <i>In Ovo</i> Applications, L: 1 mm (0.04 in.)	Each
BTX450160	Genetrodes Kit: Straight Electrode (L: 5 mm) with Holder and Cable	Each
BTX450161	Genetrodes Kit: Straight Electrode (L: 10 mm) with Holder and Cable	Each
BTX450162	Genetrodes Kit: L-Shaped Electrode (L: 5 mm) with Holder and Cable	Each
BTX450163	Genetrodes Kit: L-Shaped Electrode (L: 3 mm) with Holder and Cable	Each
BTX450164	Genetrodes Kit: L-Shaped Electrode (L: 1 mm) with Holder and Cable	Each
BTX515	Genetrodes/Genepaddle Holder with Shaft	Each

BTX Harvard Electroporation

BTX Needle Array Electrodes

Provide highly uniform electric fields in dermal or muscular tissue for gene and vaccine delivery.

Cat. No.	Description	Quantity
BTX470040	4-Needle Array, Gap: 4 mm, L: 2 mm	Each
BTX470043	4-Needle Array, Gap: 4 mm, L: 3 mm	Each
BTX470045	4-Needle Array, Gap: 4 mm, L: 5 mm	Each
BTX470050	6-Needle Array, Gap: 4 mm, L: 2 mm	Each
BTX470060	6-Needle Array, Gap: 6 mm, L: 2 mm	Each
BTX470070	6-Needle Array, Gap: 6 mm, L: 10 mm	Each
BTX470086	6-Needle Array, Gap: 6 mm, L: 16 mm	Each
BTX470080	6-Needle Array, Gap: 6 mm, L: 25 mm	Each

BTX Sterile Disposable Electroporation Cuvettes Plus

Used in the electroporation and electrofusion of bacteria and yeast, mammalian cells, and more.

Cat. No.	Description	Quantity
BTX450134	Cuvette Plus, Gap: 1 mm, Capacity: 90 μ L, Gray, Includes Sterile Transfer Pipettes	10/Pack
BTX450135	Cuvette Plus, Gap: 2 mm, Capacity: 400 μ L, Blue, Includes Sterile Transfer Pipettes	10/Pack
BTX450136	Cuvette Plus, Gap: 4 mm, Capacity: 800 μ L, Yellow, Includes Sterile Transfer Pipettes	10/Pack
BTX450140	Cuvette Plus, Gap: 1 mm, Capacity: 90 μ L, Gray, 100/Pack	24/Case
BTX450141	Cuvette Plus, Gap: 2 mm, Capacity: 400 μ L, Blue, 100/Pack	24/Case
BTX450142	Cuvette Plus, Gap: 4 mm, Capacity: 800 μ L, Yellow, 100/Pack	24/Case

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