mirus bio®

Deliver Innovation. Empower Discovery. Improve Life.

For over 25 years, Mirus Bio has pioneered the development of transfection reagents and proprietary technologies for nucleic acid delivery applications.

Our teams are engaged and motivated by the desire to support our customers to achieve the best possible results. As we approach an era of conquering life-altering diseases, we will continue to expand our expertise and leadership in transfection to be integral in the future of advanced therapies.

DISCOVERY RESEARCH

CELL & GENE THERAPY

PROTEIN PRODUCTION

Transfection Solutions from Bench to Bioreactor.

Whether you're producing viral vectors at clinical and commercial scales, manufacturing recombinant proteins and monoclonal antibodies, performing knockout studies with siRNA, or editing genes using CRISPR, we have the nucleic acid delivery system you need.

Applications Supported by Innovative Mirus Bio Nucleic Acid Delivery

- GMP Transfection
- Virus Production
- Antibody/Protein Production
- CRISPR/Cas Genome Editing
- Stem Cell Transfection
- RNAi Gene Silencing
- mRNA & Viral RNATransfection
- Stable Cell Line Generation
- Low Toxicity Transfection
- Cell Specific Transfection
- Electroporation
- Nucleic Acid Labeling

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DISCOVERY RESEARCH

Moving Your Innovations Forward

We offer a range of effective transfection solutions and tools for a comprehensive set of cell lines. These solutions are intentionally designed to be gentle on cells and maximize cell delivery while using a simplified, straightforward protocol.

Combine the Mirus Bio portfolio with our team of dedicated technical support scientists and you can get answers to compelling biological questions with less stress and more confidence.

Electroporation



Ingenio® Electroporation Solutions
Ingenio® EZporator® Electroporation System

Stem Cell Transfection



*Trans*IT-X2® Dynamic Delivery System
*Trans*IT®-2020 Transfection Reagent
*Trans*IT®-LT1 Transfection Reagent
*Trans*IT®-mRNA Transfection Kit
Ingenio® Electroporation Solution

Low Toxicity Transfection



*Trans*IT®-LT1 Transfection Reagent
*Trans*IT®-2020 Transfection Reagent

RNAi Gene Silencing



*Trans*IT-X2® Dynamic Delivery System
*Trans*IT-TKO® Transfection Reagent
*Trans*IT-siQUEST® Transfection Reagent
*Trans*IT®-2020 Transfection Reagent
*Trans*IT®-LT1 Transfection Reagent

mRNA & RNATransfection



*Trans*IT®-mRNA Transfection Kit

Nucleic Acid Labeling



Label IT® Nucleic Acid Labeling Kits
Label IT® Tracker™ Intracellular Nucleic Acid Localization Kits
Label IT® siRNA Tracker™ Intracellular Nucleic Acid Localization Kits
Label IT® Nucleic Acid Modifying Kits
Label IT® RNAi and Plasmid Delivery Controls

CRISPR/Cas Genome Editing



*Trans*IT-X2® Dynamic Delivery System
*Trans*IT®-mRNA Transfection Kit
Ingenio® Electroporation Solution

Stable Cell Line Generation



*Trans*IT-X2® Dynamic Delivery System
*Trans*IT®-2020 Transfection Reagent
*Trans*IT®-LT1 Transfection Reagent

Cell Specific Transfection



*Trans*IT®-293 Transfection Reagent
*Trans*IT®-BrCa Transfection Reagent
*Trans*IT®-CHO Transfection Kit
*Trans*IT-HelaMONSTER®Transfection Kit
*Trans*IT®-Jurkat Transfection Reagent
*Trans*IT®-Keratinocyte Transfection Reagent
*Trans*IT®-Oligo Transfection Reagent

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CELL & GENE THERAPY

Produce More Patient Doses at a Lower Cost and Less Time

High capacity, high yield, and high-quality virus production are essential for advancing the cell and gene therapy field. To increase the production of viral particles, you can scale up the bioreactor or increase the number of bioreactor runs. In other words, do more of the same process.

An alternative solution is to optimize your transfection process with the VirusGEN® Transfection Platform and *Rev*IT™ AAV Enhancer. You'll not only increase productivity, but achieve significant long-term time and cost savings.

Virus Production



VirusGEN® AAV and LV Transfection Kits



VirusGEN® AAV + *Rev*IT™ for 10 L of cell culture



*Rev*IT™ AAV Enhancer 75 mL for 50 L of cell culture

GMP Transfection

nqa.
ISO 13485:2016



*Trans*IT-VirusGEN® GMP Transfection Reagent - 150mL



VirusGEN® GMP AAV Transfection Kit



VirusGEN® GMP LV Transfection Kit

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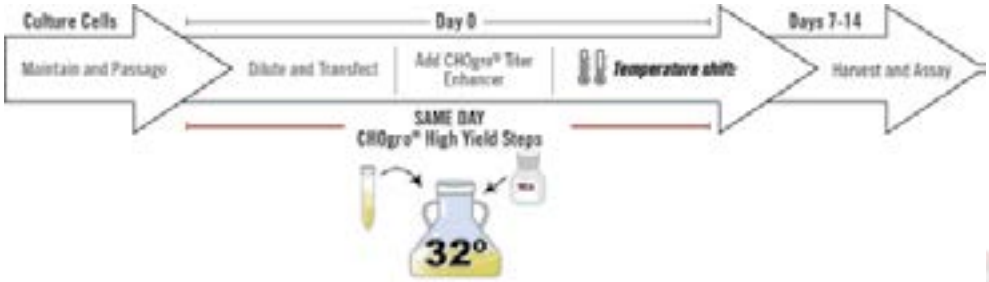
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PROTEIN PRODUCTION

Achieve High Antibody Titers in Suspension CHO Cells

We've designed an advanced transfection solution for industry-leading protein titers from suspension CHO cells. Our CHOgro® Transfection System has everything you need to reach high antibody titers, faster. It includes scalable expression medium, complex formation solution, our powerful *Trans*IT-PRO® Transfection Reagent, and other components for convenient and affordable protein production that is adaptable to a variety of CHO cell lineages.

CHOgro® Streamlined Experimental Workflow



Antibody/Protein Production

CHOgro® High Yield Expression System
CHOgro® Transfection and Titer Enhancer Kit
*Trans*IT-PRO® Transfection Kit

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Discovery Research

Co-transfection Plasmid DNA and siRNA/miRNA

Product Name	Product No.	Size
*Trans*IT-X2® Dynamic Delivery System	MIR 6000	1.5 mL
	MIR 6003	0.3 mL
	MIR 6004	0.75 mL
	MIR 6005	5 x 1.5 mL
	MIR 6006	10 x 1.5 mL

Low Toxicity DNA Transfection

*Trans*IT®-LT1 Transfection Reagent	MIR 2300	1 mL
	MIR 2304	0.4 mL
	MIR 2305	5 x 1 mL
	MIR 2306	10 x 1 mL
*Trans*IT®-2020 Transfection Reagent	MIR 5400	1 mL
	MIR 5404	0.4 mL
	MIR 5405	5 x 1 mL
	MIR 5406	10 x 1 mL

Cell Line Specific DNA Transfection

*Trans*IT®-BrCa Transfection Reagent	MIR 5500	1 mL
	MIR 5504	0.4 mL
	MIR 5505	5 x 1 mL
	MIR 5506	10 x 1 mL
*Trans*IT®-293 Transfection Reagent	MIR 2700	1 mL
	MIR 2704	0.4 mL
	MIR 2705	5 x 1 mL
	MIR 2706	10 x 1 mL
*Trans*IT-HelaMONSTER® Transfection Kit	MIR 2900	1 mL
	MIR 2904	0.4 mL
	MIR 2905	5 x 1 mL
	MIR 2906	10 x 1 mL
*Trans*IT®-Jurkat Transfection Reagent	MIR 2120	1 mL
	MIR 2124	0.4 mL
	MIR 2125	5 x 1 mL
	MIR 2126	10 x 1 mL
*Trans*IT®-Keratinocyte Transfection Reagent	MIR 2800	1 mL
	MIR 2804	0.4 mL
	MIR 2805	5 x 1 mL
	MIR 2806	10 x 1 mL

Insect Cell Transfection

*Trans*IT®-Insect	MIR 6100	1 mL
	MIR 6104	0.4 mL
	MIR 6105	5 x 1 mL
	MIR 6106	10 x 1 mL

Oligonucleotide Transfection

*Trans*IT®-Oligo Transfection Reagent	MIR 2160	1 mL
	MIR 2164	0.4 mL
	MIR 2165	5 x 1 mL
	MIR 2166	10 x 1 mL

Large RNA (mRNA and Viral Transfection)

Product Name	Product No.	Size
*Trans*IT®-mRNA Transfection Kit	MIR 2250	1 mL
	MIR 2225	0.4 mL
	MIR 2255	5 x 1 mL
	MIR 2256	10 x 1 mL

siRNA and miRNA Transfection

*Trans*IT-TKO® Transfection Reagent	MIR 2150	1.5 mL
	MIR 2154	0.4 mL
	MIR 2155	5 x 1.5 mL
	MIR 2156	10 x1.5 mL
*Trans*IT-siQUEST® Transfection Reagent	MIR 2110	1.5 mL
	MIR 2114	0.4 mL
	MIR 2115	5 x 1.5 mL
	MIR 2116	10 x 1.5 mL

Electroporation

Ingenio® EZporator® Electroporation Device	MIR 51000	Includes Ingenio® EZporator® Pulse Generator, Cuvette Chamber + 8 RXN Ingenio® Electroporation Kit
Ingenio® Electroporation Solution	MIR 50111	25 Reactions
	MIR 50114	50 Reactions
	MIR 50117	100 Reactions
Ingenio® Electroporation Kits For Lonza-amaxa® Nucleofector® devices (solution, 0.2cm cuvettes, cell droppers)	MIR 50112	25 Reactions
	MIR 50115	50 Reactions
	MIR 50118	100 Reactions
Ingenio® Electroporation Kits For all other electroporators (solution, 0.4cm cuvettes, cell droppers)	MIR 50113	25 Reactions
	MIR 50116	50 Reactions
	MIR 50119	100 Reactions
Ingenio® Cuvettes for Lonza-amaxa® Nucleofector® devices	MIR 50121	50 PK, 0.2 cm
Ingenio® Cuvettes for all other electroporators	MIR 50123	50 PK, 0.4 cm
Ingenio® Cell Droppers	MIR 50125	50 Droppers

DNA and RNA Labeling

General Nucleic Acid Labeling

Label IT® Nucleic Acid Labeling Kit, CX-Rhodamine	MIR 3100	Labels 100 µg
	MIR 3125	Labels 25 µg
Label IT® Nucleic Acid Labeling Kit, Fluorescein	MIR 3200	Labels 100 µg
	MIR 3225	Labels 25 µg
Label IT® Nucleic Acid Labeling Kit, Biotin	MIR 3400	Labels 100 µg
	MIR 3425	Labels 25 µg
Label IT® Nucleic Acid Labeling Kit, Cy™3	MIR 3600	Labels 100 µg
	MIR 3625	Labels 25 µg
Label IT® Nucleic Acid Labeling Kit, Cy™5	MIR 3700	Labels 100 µg
	MIR 3725	Labels 25 µg
Label IT® Nucleic Acid Labeling Kit, DNP	MIR 3800	Labels 100 µg
	MIR 3825	Labels 25 µg
Label IT® Nucleic Acid Labeling Kit, TM-Rhodamine	MIR 4100	Labels 100 µg
	MIR 4125	Labels 25 µg
Label IT® Nucleic Acid Labeling Kit, MFP488	MIR 7100	Labels 100 µg
	MIR 7125	Labels 25 µg

DNA and RNA Labeling, con't

Cellular Imaging and DNA Localization

Product Name	Product No.	Size
Label IT® Tracker™ Cy™3 Kit	MIR 7020	Labels 50-200 µg
Label IT® Tracker™ Cy™5 Kit	MIR 7021	Labels 50-200 µg
Label IT® Tracker™ CX-Rhodamine Kit	MIR 7022	Labels 50-200 µg
Label IT® Tracker™ TM-Rhodamine Kit	MIR 7023	Labels 50-200 µg
Label IT® Tracker™ Biotin Kit	MIR 7024	Labels 50-200 µg
Label IT® Tracker™ Fluorescein Kit	MIR 7025	Labels 50-200 µg

Each kit contains sufficient reagents to perform at least 50 transfections in 6-well plates.

Cellular Imaging and siRNA Localization

Label IT® siRNA Tracker™ Cy™3 Kit	MIR 7212	Labels 50 µg
Label IT® siRNA Tracker™ Cy™5 Kit	MIR 7213	Labels 50 µg
Label IT® siRNA Tracker™ CX-Rhodamine Kit	MIR 7214	Labels 50 µg
Label IT® siRNA Tracker™ TM-Rhodamine Kit	MIR 7215	Labels 50 µg
Label IT® siRNA Tracker™ Fluorescein Kit	MIR 7216	Labels 50 µg
Label IT® Tracker™ Biotin Kit	MIR 7217	Labels 50 µg

Each kit contains sufficient quantities to perform at least 500 transfections in 24-well plates..

Solid Surface Attachment and Custom Labeling

Label IT® AMINE Nucleic Acid Modifying Kit	MIR 3900	Labels 100 µg
	MIR 3925	Labels 25 µg

Expression & Labeled Plasmid Delivery Controls

Label IT® Plasmid	MIR 7904	10 µg
Delivery Control, Cy™3	MIR 7905	100 µg
Label IT® Plasmid	MIR 7906	10 µg
Delivery Control, Fluorescein	MIR 7907	100 µg

Labeled RNAi Delivery Controls

Label IT® RNAi	MIR 7900	10 µg
Delivery Control, Cy™3	MIR 7901	100 µg
Label IT® RNAi	MIR 7902	10 µg
Delivery Control, Fluorescein	MIR 7903	100 µg

Protein Production

Product Name	Product No.	Size
*Trans*IT-PRO® Transfection Kit (with booster reagent)	MIR 5700	1 mL
	MIR 5760	10 mL
CHOgro® High Yield Expression System	MIR 6270	1 Kit
CHOgro® Expression System	MIR 6260	1 Kit
CHOgro® Expression Medium	MIR 6200	1 L
	MIR 6202	10 L
CHOgro® Expression Medium, Dry Powder	MIR 6201	10 L
CHOgro® Complex Formation Solution	MIR 6210	100 mL
Poloxamer 188 Solution, 10%	MIR 6230	100 mL
L-Glutamine Solution, 200 mM	MIR 6240	100 mL
*Trans*IT-PRO® Transfection Reagent (without booster reagent)	MIR 5740	1 mL
	MIR 5750	10 mL
Human IgG1 Expression Control	MIR 6250	100 µg

Virus Production

GMP Products

Product Name	Product No.	Size
VirusGEN® GMP AAV Transfection Kit	MIR 6815-GMP	1 Kit
VirusGEN® GMP LV Transfection Kit	MIR 6825-GMP	1 Kit
*Trans*IT-VirusGEN® GMP Transfection Reagent	MIR 6845-GMP	150 mL

Discovery Research Virus Production

*Trans*IT-VirusGEN® Transfection Reagent	MIR 6703	0.3 mL
	MIR 6704	0.75 mL
	MIR 6700	1.5 mL
	MIR 6705	5 x 1.5 mL
	MIR 6706	10 x 1.5 mL
	MIR 6720	30 mL
	MIR 6740	150 mL
*Rev*IT™ AAV Enhancer	MIR 8000	1.5 mL for 1 L cell culture
	MIR 8006	10 x 1.5 mL for 10 L cell culture
	MIR 8080	75 mL for 50 L cell culture
VirusGEN® AAV Kit + *Rev*IT™ AAV Enhancer	MIR 8007	1 Kit for 1 L cell culture
VirusGEN® AAV Kit + *Rev*IT™ AAV Enhancer	MIR 8008	1 Kit for 10 L cell culture
VirusGEN® AAV Transfection Kit	MIR 6745	1 Kit for 10 L cell culture
	MIR 6750	1 Kit for 1 L cell culture
	MIR 6755	150 mL
VirusGEN® LV Transfection Kit	MIR 6760	1 Kit
*Trans*IT®-Lenti Transfection Reagent	MIR 6600	1.5 mL
	MIR 6603	0.3 mL
	MIR 6604	0.75 mL
	MIR 6605	5 x 1.5 mL
	MIR 6606	10 x 1.5 mL
*Transduce*IT® Reagent	MIR 6620	1 mL
Lentivirus Packaging Mix Powered by MISSION®	MIR 6630	5 rxn
	MIR 6640	34 rxn
*Trans*IT®-Lenti Packaging System	MIR 6650	5 rxn
	MIR 6655	34 rxn
*flash*BAC™ Baculovirus	MIR 6115	5 Reactions
Expression System	MIR 6120	24 Reactions
*flash*BAC™ ULTRA Baculovirus	MIR 6135	5 Reactions
Expression System	MIR 6140	24 Reactions
pOET1 Transfer Plasmid	MIR 6150	20 µl (500 ng/µl)
pOET1C_6xHis Transfer Plasmid	MIR 6151	20 µl (500 ng/µl)
pOET6 BacMam Transfer Plasmid	MIR 6152	20 µl (500 ng/µl)

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