

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 knock-out 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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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

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

Stem Cell Transfection



TransIT-X2® Dynamic Delivery System
TransIT®-2020 Transfection Reagent
TransIT®-LT1 Transfection Reagent
TransIT®-mRNA Transfection Kit
Ingenio® Electroporation Solution

CRISPR/Cas Genome Editing



TransIT-X2® Dynamic Delivery System
TransIT®-mRNA Transfection Kit
Ingenio® Electroporation Solution

Low Toxicity Transfection



TransIT®-LT1 Transfection Reagent
TransIT®-2020 Transfection Reagent

Stable Cell Line Generation



TransIT-X2® Dynamic Delivery System
TransIT®-2020 Transfection Reagent
TransIT®-LT1 Transfection Reagent

RNAi Gene Silencing



TransIT-X2® Dynamic Delivery System
TransIT-TKO® Transfection Reagent
TransIT-siQUEST® Transfection Reagent
TransIT®-2020 Transfection Reagent
TransIT®-LT1 Transfection Reagent

Cell Specific Transfection



TransIT®-293 Transfection Reagent
TransIT®-BrCa Transfection Reagent
TransIT®-CHO Transfection Kit
TransIT-HelaMONSTER® Transfection Kit
TransIT®-Jurkat Transfection Reagent
TransIT®-Keratinocyte Transfection Reagent
TransIT®-Oligo Transfection Reagent

mRNA & RNATransfection



TransIT®-mRNA Transfection Kit



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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 **RevIT™ 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 + RevIT™
for 10 L of cell culture



RevIT™ AAV Enhancer
75 mL for 50 L of cell culture

GMP Transfection



TransIT-VirusGEN® GMP
Transfection Reagent - 150mL



VirusGEN® GMP AAV
Transfection Kit



VirusGEN® GMP LV
Transfection Kit



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Discovery Research

Co-transfection Plasmid DNA and siRNA/miRNA

Product Name	Product No.	Size
<i>TransIT</i> [®] -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

<i>TransIT</i> [®] -LT1 Transfection Reagent	MIR 2300	1 mL
	MIR 2304	0.4 mL
	MIR 2305	5 x 1 mL
	MIR 2306	10 x 1 mL
	MIR 2306	10 x 1 mL
<i>TransIT</i> [®] -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

<i>TransIT</i> [®] -BrCa Transfection Reagent	MIR 5500	1 mL
	MIR 5504	0.4 mL
	MIR 5505	5 x 1 mL
	MIR 5506	10 x 1 mL
	MIR 5506	10 x 1 mL
<i>TransIT</i> [®] -293 Transfection Reagent	MIR 2700	1 mL
	MIR 2704	0.4 mL
	MIR 2705	5 x 1 mL
	MIR 2706	10 x 1 mL
	MIR 2706	10 x 1 mL
<i>TransIT</i> [®] -CHO Transfection Kit	MIR 2170	1 mL
	MIR 2174	0.4 mL
	MIR 2175	5 x 1 mL
	MIR 2176	10 x 1 mL
	MIR 2176	10 x 1 mL
<i>TransIT</i> -HelaMONSTER [®] Transfection Kit	MIR 2900	1 mL
	MIR 2904	0.4 mL
	MIR 2905	5 x 1 mL
	MIR 2906	10 x 1 mL
	MIR 2906	10 x 1 mL
<i>TransIT</i> [®] -Jurkat Transfection Reagent	MIR 2120	1 mL
	MIR 2124	0.4 mL
	MIR 2125	5 x 1 mL
	MIR 2126	10 x 1 mL
	MIR 2126	10 x 1 mL
<i>TransIT</i> [®] -Keratinocyte Transfection Reagent	MIR 2800	1 mL
	MIR 2804	0.4 mL
	MIR 2805	5 x 1 mL
	MIR 2806	10 x 1 mL
	MIR 2806	10 x 1 mL

Insect Cell Transfection

<i>TransIT</i> [®] -Insect	MIR 6100	1 mL
	MIR 6104	0.4 mL
	MIR 6105	5 x 1 mL
	MIR 6106	10 x 1 mL

Oligonucleotide Transfection

<i>TransIT</i> [®] -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
<i>TransIT</i> [®] -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

<i>TransIT</i> -TKO [®] Transfection Reagent	MIR 2150	1.5 mL
	MIR 2154	0.4 mL
	MIR 2155	5 x 1.5 mL
	MIR 2156	10 x 1.5 mL
	MIR 2156	10 x 1.5 mL
<i>TransIT</i> -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
	MIR 50123	50 PK, 0.4 cm
Ingenio [®] Cell Droppers	MIR 50125	50 Droppers

DNA and RNA Labeling

General Nucleic Acid Labeling

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

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
	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
Label IT® Nucleic Acid Labeling Kit, Fluorescein	MIR 3125	Labels 25 µg
Label IT® Nucleic Acid Labeling Kit, Biotin	MIR 3200	Labels 100 µg
Label IT® Nucleic Acid Labeling Kit, Cy TM 3	MIR 3225	Labels 25 µg
Label IT® Nucleic Acid Labeling Kit, Cy TM 3	MIR 3400	Labels 100 µg
Label IT® Nucleic Acid Labeling Kit, Cy TM 3	MIR 3425	Labels 25 µg
Label IT® Nucleic Acid Labeling Kit, Cy TM 3	MIR 3600	Labels 100 µg
Label IT® Nucleic Acid Labeling Kit, Cy TM 3	MIR 3625	Labels 25 µg

Protein Production

Product Name	Product No.	Size
TransIT-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
TransIT-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
TransIT-VirusGEN® GMP Transfection Reagent	MIR 6845-GMP	150 mL

Discovery Research Virus Production

TransIT-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	
ReviT™ 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 + ReviT™ AAV Enhancer	MIR 8007	1 Kit for 1 L cell culture
VirusGEN® AAV Kit + ReviT™ 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
TransIT®-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
	MIR 6620	1 mL
TransduceIT® Reagent	MIR 6620	1 mL
Lentivirus Packaging Mix Powered by MISSION®	MIR 6630	5 rxn
	MIR 6640	34 rxn
TransIT®-Lenti Packaging System	MIR 6650	5 rxn
	MIR 6655	34 rxn
flashBAC™ Baculovirus Expression System	MIR 6115	5 Reactions
	MIR 6120	24 Reactions
flashBAC™ ULTRA Baculovirus Expression System	MIR 6135	5 Reactions
	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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mirus bio®