

INGENIO™ ELECTROPORATION KITS & SOLUTION



WHAT IS ELECTROPORATION?

Electroporation is a physical method of nucleic acid transfer wherein the cells and nucleic acids are subjected to high voltage electric pulses. This process induces temporary pores in the cell membrane, enabling entry of nucleic acids into the cell. Electroporation is often used to deliver nucleic acids to cells resistant to chemical transfection.

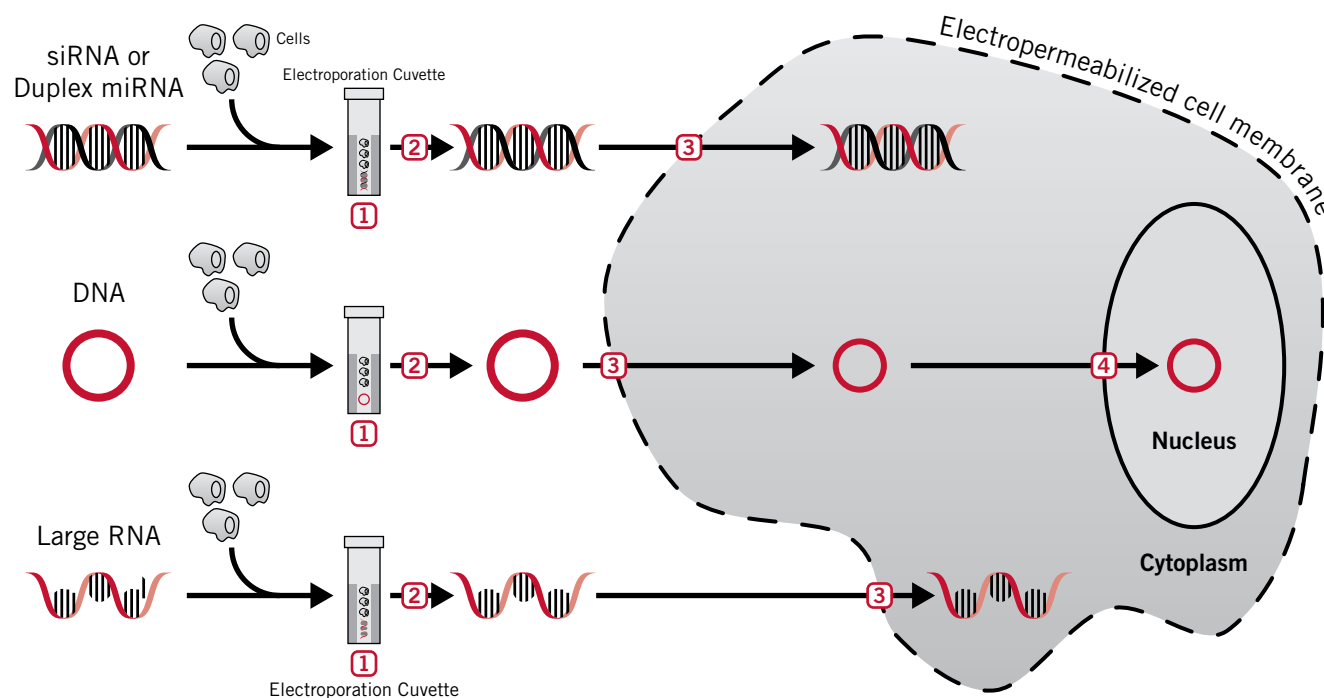


FIGURE 1. Electroporation of Eukaryotic Cells. 1. Cells and nucleic acid are combined in an electroporation cuvette. 2. High voltage electric shock permeabilizes the cell membrane. 3. Nucleic acids pass through temporary pores formed in the cell membrane (siRNA, miRNA or large RNA are generally active in cytoplasm). 4. DNA must localize to the nucleus where its gene expression cassette is transcribed. 5. Membrane integrity is restored (not shown).

Optimize Electroporation Performance For All Instruments, Cells and Nucleic Acids

- 1. Nucleic acid purity.** Use highly purified, sterile, and contaminant-free nucleic acid. Endotoxin-free nucleic acid (bacterial lipopolysaccharide-free) is recommended. Do not use nucleic acid that has been purified using ethanol precipitation. Residual salt from ethanol precipitation methods can negatively affect electroporation. Do not use nucleic acid that has been purified using minipreps.
- 2. Nucleic acid concentration.** Use DNA stocks that range from 1 to 5 mg/ml. Use of stocks with higher concentrations may lead to non-uniform mixing with cells. Use of stocks with lower concentrations may dilute the electroporation mix. Use optimal amounts of nucleic acid for each cell type.
- 3. Divide cells regularly.** Maintain cells such that they are actively growing. Divide the cell culture one day before electroporation as needed. This step may not be required for slow-growing or primary cells.
- 4. Cell passage number.** Use of very low or very high passage cells may affect experimental results. Use cells of similar passage number for experimental reproducibility.

5. **Post-electroporation incubation time.** Determine the optimal incubation time post-electroporation for each cell type and electroporated construct. Test a range of incubation times. The optimal incubation time is generally 12–72 hours, but will vary depending on the goal of the experiment and the electroporated nucleic acid.
6. **Titration of pulse conditions for cell types.** General pulse conditions for most cells fall within a voltage range of 80–160 V for 0.2 cm or 200–300 V for 0.4 cm cuvettes and a capacitance range of 800–1,000 μF . It is important to try a variety of pulse types (Exponential Decay/Square Wave/Time Constant) within these ranges to optimize best conditions for each cell type.
7. **Vary cell density and DNA concentration.** When optimizing your electroporations, test different cell densities ranging from 2×10^6 to 1×10^7 cells/ml and test DNA concentrations ranging from 10–30 $\mu\text{g/ml}$.

Transfection Products & Applications

Application	Product	Page
Nucleic acid electroporation to a wide range of cell types to express a specific gene or transcript	Ingenio™ Electroporation Kits & Solution	4-5
Simultaneous visualization of electroporated plasmid and expression of transgene	Label IT® Tracker Intracellular Nucleic Acid Localization Kits	6
siRNA labeling, electroporation, localization and knockdown	Label IT® siRNA Tracker Intracellular Nucleic Acid Localization Kits	7
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INGENIO™ ELECTROPORATION PRODUCTS

- ▷ **High Efficiency Electroporation of Hard to Transfect Cells**—Conduct research in biologically relevant cells
- ▷ **Compatible with All Electroporation Instruments**—Use your existing system including an amaxa Nucleofector®; no need to purchase additional specialized equipment
- ▷ **Save Money**—Replace your amaxa Nucleofector® Kits with the Ingenio™ Electroporation Kit and realize significant savings without sacrificing performance
- ▷ **Buy Only What You Need**—Ingenio Electroporation Solution is available alone or as part of a complete kit with cuvettes and cell droppers
- ▷ **Higher Cell Viability**—Less cell death than other electroporation solutions

Description

Mirus Bio has developed the Ingenio Electroporation Solution to facilitate efficient and reliable delivery of nucleic acids to eukaryotic cells resistant to chemical transfection. Ingenio is a broad spectrum solution that supports high efficiency electroporation with minimal toxicity. It replaces standard electroporation solutions including phosphate buffered saline and serum-free media. Ingenio is compatible with multiple instruments and facilitates a wide range of applications requiring nucleic acid delivery to cells. The Ingenio Solution is available alone and as part of a kit with cuvettes and cell droppers.

PRODUCT SPECIFICATIONS

Ingenio™ Electroporation Kits (solution, 0.4 cm cuvettes, cell droppers)

PRODUCT NO.	SIZE
MIR 50113	25 RXN ^a
MIR 50116	50 RXN ^a
MIR 50119	100 RXN ^a

Ingenio™ Electroporation Kits (solution, 0.2 cm cuvettes, cell droppers)

PRODUCT NO.	SIZE
MIR 50112	25 RXN ^a
MIR 50115	50 RXN ^a
MIR 50118	100 RXN ^a

Ingenio™ Electroporation Solution

PRODUCT NO.	SIZE	QUANTITY
MIR 50111	25 RXN ^b	6.25 ml
MIR 50114	50 RXN ^b	12.5 ml
MIR 50117	100 RXN ^b	25 ml

Ingenio™ Electroporation Accessories

PRODUCT NO.	DESCRIPTION	SIZE
MIR 50120	0.2 cm Cuvettes	25 PK
MIR 50121	0.2 cm Cuvettes	50 PK
MIR 50122	0.4 cm Cuvettes	25 PK
MIR 50123	0.4 cm Cuvettes	50 PK
MIR 50124	Cell Droppers	25 PK
MIR 50125	Cell Droppers	50 PK

^a Electroporations per kit.

^b Number of electroporations in 0.4 cm cuvette.

COMPONENTS

Ingenio™ Electroporation Solution
May also contain cuvettes and cell droppers

STORAGE CONDITIONS

Store Ingenio™ Electroporation Solution at 4°C

Store all other components at room temperature

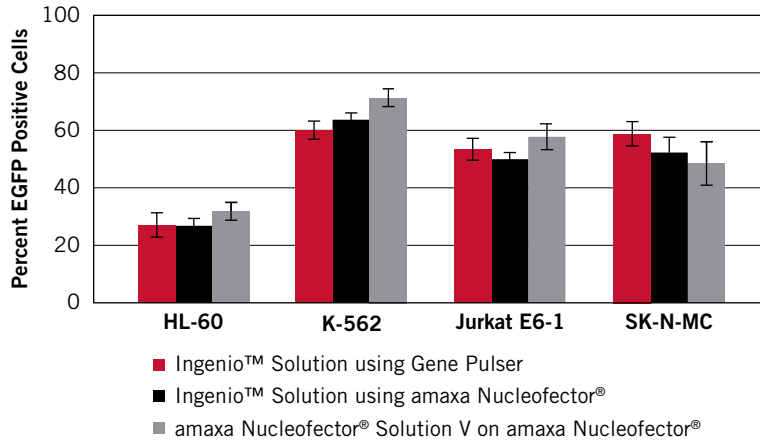


FIGURE 2. Ingenio™ Solution Provides Comparable Efficiency on amaxa's Nucleofector® Device. Cells were electroporated in parallel with an EGFP reporter vector. Two electroporators were used with different electroporation kits: the Ingenio™ Electroporation Kit was used in the Gene Pulser Xcell™ Eukaryotic System (Bio-Rad) and the amaxa Nucleofector™ II Device (Lonza); the amaxa Nucleofector Kit V was used in the amaxa Nucleofector™ II Device, all according to manufacturer's recommendations. EGFP expressing cells were identified 24 hours post-electroporation by flow cytometry and presented as a percentage of the live cell population. Experiments were performed in triplicate on three separate days and the data averaged.

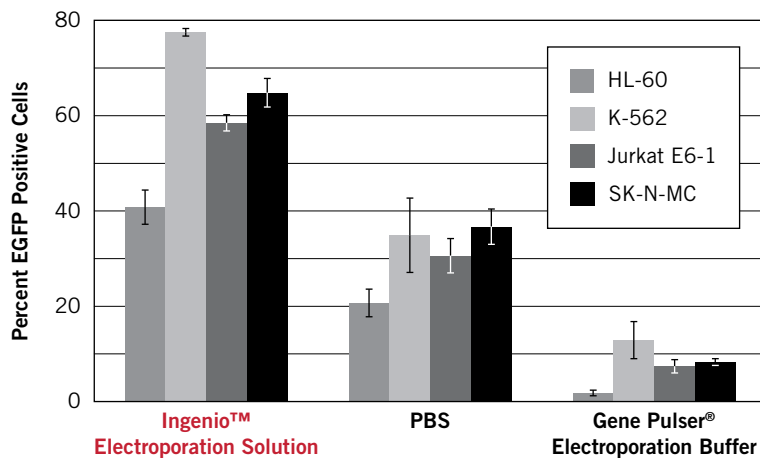


FIGURE 3. Ingenio™ Solution Outperforms Other Electroporation Reagents. Cells were electroporated in parallel with an EGFP reporter vector using either Ingenio™ Electroporation Solution, PBS or the Gene Pulser® Electroporation Buffer (Bio-Rad) on the Gene Pulser Xcell™ Eukaryotic System. EGFP expressing cells were identified 24 hours post-electroporation by flow cytometry and presented as a percentage of the live cell population. Experiments were performed in triplicate on three separate days and the data averaged.

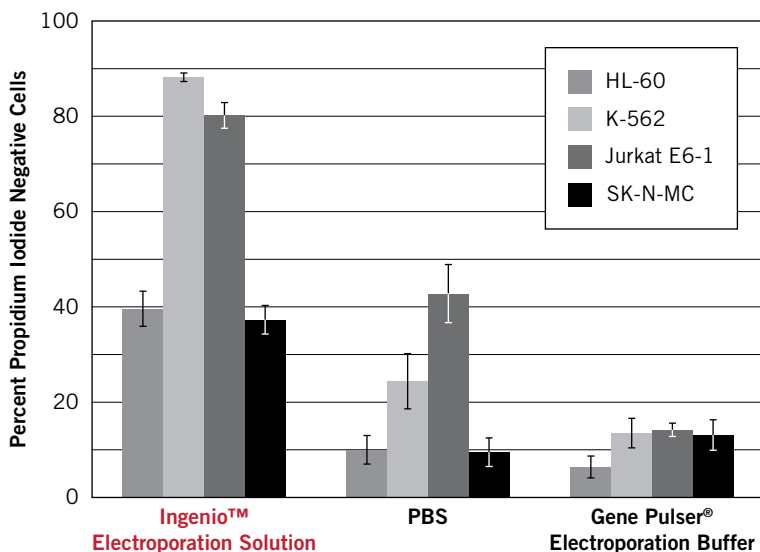


FIGURE 4. High Cell Viability with Ingenio™ Solution. DNA was electroporated into cells using either Ingenio™ Electroporation Solution, PBS or Gene Pulser Electroporation Buffer (Bio-Rad) and the Gene Pulser Xcell™ Eukaryotic System. Twenty-four hours post-electroporation, cells were assayed for viability by propidium iodide staining and flow cytometry analysis. Experiments were performed in triplicate on three separate days and the data averaged.

Label IT® TRACKER INTRACELLULAR NUCLEIC ACID LOCALIZATION KITS

- ▷ **Superior Tracking and Expression**—Monitor both subcellular localization and reporter transgene expression following delivery of labeled plasmid DNA
- ▷ **Versatile Labeling**—Efficiently label and visualize the DNA of your choice
- ▷ **One-step Chemical Method**—Easily and precisely control the labeling reactions
- ▷ **High Efficiency Labeling**—Optimal visualization of DNA in cells

Description

The *Label IT* Tracker Intracellular Nucleic Acid Localization Kits provide a convenient approach to directly label plasmid DNA. Both subcellular localization and reporter transgene expression can be monitored simultaneously following electroporation or *in vivo* delivery of the labeled plasmid. For your convenience, *Label IT* Tracker Intracellular Nucleic Acid Localization Kits are also available with the *TransIT*-LT1 Transfection Reagent.

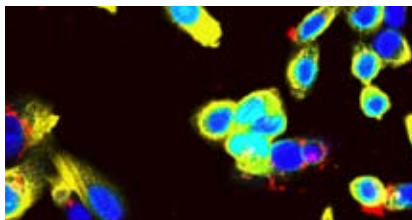


FIGURE 5. Simultaneous Detection of Intracellular Localization and Transgene Expression. CHO-K1 cells were electroporated in Ingenio™ Electroporation Solution with *Label IT*® Tracker Cy™3 (red) labeled pEYFP (yellow). Twenty-four hours post electroporation cells were washed, fixed and counterstained to identify the nucleic (blue). The image was acquired using a confocal microscope.

PRODUCT SPECIFICATIONS

Label IT® Tracker Intracellular Nucleic Acid Localization Kits without *TransIT*®-LT1 Transfection Reagent

LABEL	PRODUCT NO.	SIZE*
Cy™3	MIR 7020	50–200 µg
Cy™5	MIR 7021	50–200 µg
Fluorescein	MIR 7025	50–200 µg
CX-Rhodamine	MIR 7022	50–200 µg
TM-Rhodamine	MIR 7023	50–200 µg
Biotin	MIR 7024	50–200 µg

COMPONENTS

Label IT® Tracker Reagent
Reconstitution Solution
Labeling Buffer A

STORAGE CONDITIONS

Store *Label IT*® Reagent as a dry pellet or as a reconstituted solution at –20°C
Store all other components at 4°C

RELATED PRODUCTS

Label IT® Plasmid Delivery Controls
Ingenio™ Electroporation Kits & Solution
TransIT®-LT1 Transfection Reagent
Label IT® Tracker Intracellular Nucleic Acid Localization Kits with *TransIT*®-LT1 Transfection Reagent

Label IT® siRNA TRACKER INTRACELLULAR NUCLEIC ACID LOCALIZATION KITS

- ▷ **Superior Tracking and Functionality**—Monitor both subcellular localization and functionality of your siRNA following transfection
- ▷ **High Efficiency Labeling**—Optimal visualization of siRNA in cells
- ▷ **One-step Chemical Method**—Easily and precisely control the labeling density

Description

The *Label IT* siRNA Tracker Intracellular Localization Kits provide a straightforward approach to directly label siRNA. Intracellular localization and functional inhibition of target gene expression can be monitored following electroporation or *in vivo* delivery of the labeled siRNA. For your convenience, *Label IT* siRNA Tracker Kits are also available with either *TransIT-TKO*® or *TransIT-siQUEST*® siRNA Transfection Reagents.

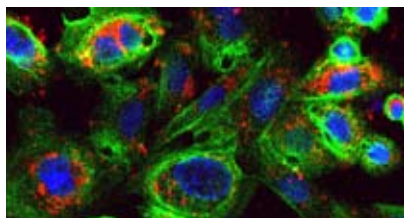
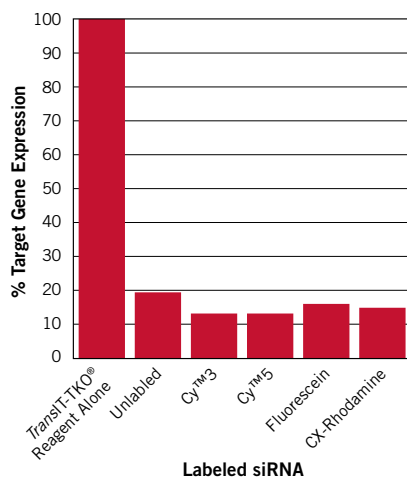


FIGURE 6. Visualization of Electroporated *Label IT*® siRNA Tracker CyTM3-labeled siRNA. CHO-K1 cells were electroporated using Ingenio™ Electroporation Solution with *Label IT*® siRNA Tracker CyTM3-labeled siRNA (red). Twenty-four hours post-electroporation, cells were washed, fixed and counterstained to identify the nuclei (blue) and actin (green). The image was acquired using a confocal microscope.

FIGURE 7. Labeling of siRNA with *Label IT*® siRNA Tracker Does Not Affect Functionality. *TransIT-TKO*® Transfection Reagent was used to transfect anti-firefly luciferase siRNA into CHO-luc cells that stably express firefly luciferase. The siRNA was either unlabeled or labeled with *Label IT*® siRNA Tracker CyTM3, CyTM5, Fluorescein, or CX-Rhodamine Reagents. Bars indicate the percent firefly luciferase expression 24 hours after delivery of 5 nM anti-firefly luciferase siRNA.



PRODUCT SPECIFICATIONS

Label IT® siRNA Tracker Intracellular Localization Kits without Transfection Reagent

LABEL	PRODUCT NO.	SIZE
Cy TM 3	MIR 7212	50 µg
Cy TM 5	MIR 7213	50 µg
Fluorescein	MIR 7216	50 µg
CX-Rhodamine	MIR 7214	50 µg
TM-Rhodamine	MIR 7215	50 µg
Biotin	MIR 7217	50 µg

COMPONENTS

Label IT® siRNA Tracker Reagent
Reconstitution Solution
Labeling Buffer A
siRNA Dilution Buffer

STORAGE CONDITIONS

Store *Label IT*® Reagent as a dry pellet or as a reconstituted solution at -20°C
Store all other components at 4°C

RELATED PRODUCTS

Label IT® RNAi Delivery Controls
TransIT-TKO® Transfection Reagent
TransIT-siQUEST® Transfection Reagent
Label IT® siRNA Tracker Intracellular Nucleic Acid Localization Kits with *TransIT-TKO*® or *TransIT-siQUEST*® Transfection Reagent

Label IT® PLASMID DELIVERY CONTROLS

- ▷ **Compatible with Any Delivery Technology**—Electroporate using any electroporator or deliver *in vivo* and easily detect labeled plasmid in cells by fluorescent microscopy
- ▷ **Inert**—Co-deliver any unlabeled nucleic acid without affecting activity of the co-delivered nucleic acid
- ▷ **Easy to Use**—Supplied as a ready to use 0.5 mg/ml solution
- ▷ **Convenient**—Use as a positive labeled control with other *Label IT*® Kits

Description

The *Label IT* Plasmid Delivery Controls consist of either a Cy™3 or a fluorescein labeled 2.7 kb plasmid for assessment of delivery efficiency in mammalian cells or as a positive control with other *Label IT* Kits.

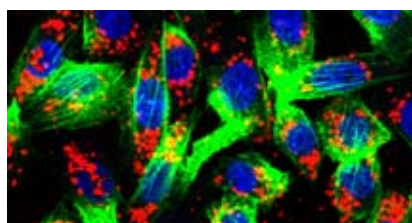


FIGURE 8. *Label IT*® Cy™3 Plasmid Delivery Control Allows Quick Assessment of Electroporation Efficiency. CHO-K1 cells were electroporated in Ingenio Electroporation Solution with *Label IT*® Cy™3 Plasmid Delivery Control (red). Twenty-four hours post-electroporation, cells were washed, fixed and counterstained to identify the nuclei (blue) and actin (green). The image was acquired using a confocal microscope.

PRODUCT SPECIFICATIONS

Label IT® Plasmid Delivery Controls

LABEL	PRODUCT NO.	QUANTITY
Cy™3	MIR 7904	10 µg
	MIR 7905	100 µg
Fluorescein	MIR 7906	10 µg
	MIR 7907	100 µg

COMPONENTS

Label IT® Plasmid Delivery Control

STORAGE CONDITIONS

Store at -20°C

RELATED PRODUCTS

Label IT® Tracker Intracellular Nucleic Acid Localization Kits

Ingenio™ Electroporation Kits & Solution

TransIT® Transfection Reagents

Label IT® Nucleic Acid Labeling Kits

Label IT® RNAi DELIVERY CONTROLS

- ▷ **Compatible with Any Delivery Technology**—Electroporate using any electroporator or deliver *in vivo* and easily detect labeled RNAi Control in cells by fluorescent microscopy
- ▷ **Inert**—Does not target any known mammalian genes or cause off target effects
- ▷ **Compatible**—Co-deliver with any functional siRNA without affecting knockdown activity of the siRNA
- ▷ **Easy to Use**—Supplied as a ready to use 10 µM solution with an RNAi Dilution Buffer
- ▷ **Convenient**—Use as a positive labeled control with other *Label IT*® Kits

Description

The *Label IT* RNAi Delivery Controls consist of either CyTM3 or fluorescein labeled RNA duplex that has the same length, charge and configuration as standard siRNA. The sequence of the *Label IT* RNAi duplex is inert and is not known to affect any cellular events. These controls are designed to facilitate assessment of delivery efficiency of dsRNA oligonucleotides in both *in vitro* and *in vivo* applications and can be co-delivered with a functional target gene-specific siRNA.

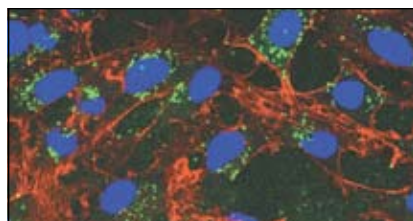


FIGURE 9. Visualization of *Label IT*® RNAi Delivery Control. HeLa cells were transfected in complete medium with the *Label IT*® Fluorescein RNAi Delivery Control (green) using the *TransIT*-TKO® Transfection Reagent. Twenty-four hours post-transfection, the cells were fixed then counterstained to locate the nuclei (blue) and actin (red). The image was acquired using a confocal microscope.

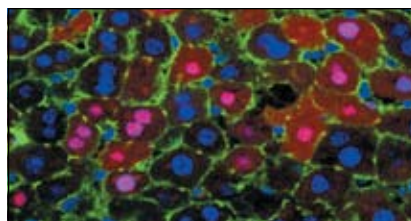


FIGURE 10. Visualization of *Label IT*® CyTM3 RNAi Delivery Control in Liver Sections Following Tail Vein Injection. *TransIT*®-QR Delivery Solution was used to deliver 25 µg of *Label IT*® CyTM3 RNAi Delivery Control (red) to a mouse using hydrodynamic delivery via the tail vein. Forty-five minutes post-injection the liver was harvested. Sections were fixed and counterstained to locate the nuclei (blue) and actin (green). The image was acquired using a confocal microscope.

PRODUCT SPECIFICATIONS

Label IT® RNAi Delivery Controls

LABEL	PRODUCT NO.	QUANTITY
Cy TM 3	MIR 7900	10 µg
	MIR 7901	100 µg
Fluorescein	MIR 7902	10 µg
	MIR 7903	100 µg

COMPONENTS

Label IT® RNAi Delivery Control
10X RNAi Dilution Buffer

STORAGE CONDITIONS

Store both components at –20°C

RELATED PRODUCTS

Label IT® siRNA Tracker Intracellular Localization Kits
Ingenio™ Electroporation Kits & Solution
TransIT-TKO® Transfection Reagent
TransIT-siQUEST® Transfection Reagent
Label IT® Nucleic Acid Labeling Kits

MiraCLEAN® ENDOTOXIN REMOVAL KIT

- ▷ **Effectively Removes Endotoxin from Plasmid DNA Samples**—Aids in the safety and efficiency of gene delivery research
- ▷ **Compatible with *In Vitro* and *In Vivo* Applications**—Removes harmful endotoxin that can decrease electroporate efficiencies *in vitro* and induce inflammatory reactions *in vivo*
- ▷ **Easy to Use**—Simple separation protocol with colored extraction reagent allows quick visualization of phase separation

Description

The MiraCLEAN Endotoxin Removal Kit is a rapid and efficient kit for the removal of endotoxins (bacterial lipopolysaccharides) from DNA before electroporation, transfection or injection into an animal host. The presence of endotoxins in a DNA sample can decrease electroporation efficiency and induce cell death or cause endotoxic shock and death in animals.

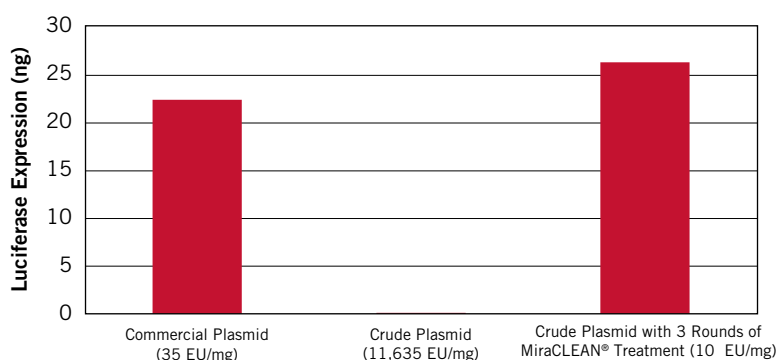


FIGURE 11. Endotoxin Removal from Plasmid DNA Improves Expression. COS-7 cells were transfected with the indicated plasmid DNA using *TransIT*®-LT1 Transfection Reagent. Cells were harvested 24 hours post-transfection and assayed for luciferase activity (1 ng of lipopolysaccharide = 1–10 EU).

PRODUCT SPECIFICATIONS

PRODUCT NO.	SIZE*	QUANTITY
MIR 5910	10 mg DNA	Each
MIR 5900	100 mg DNA	Each

* Amount of DNA purified with each kit.

COMPONENTS

EndoGO™ Extraction Reagent
MiraCLEAN® Buffer

STORAGE CONDITIONS

Store both components at 4°C,
Do Not Freeze

RELATED PRODUCTS

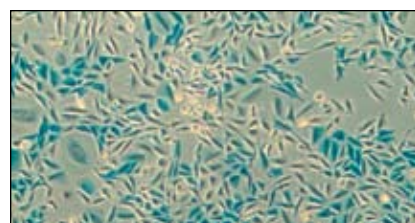
Ingenio™ Electroporation Kits & Solution
TransIT®-LT1 Transfection Reagent
TransIT® Cell Line Specific Transfection Reagents

BETA-GAL STAINING KIT

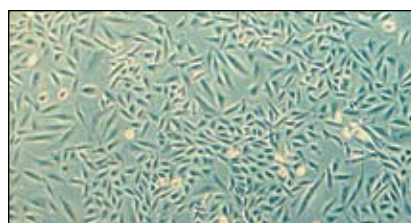
- ▷ **Compatible with *In Vitro* and *In Vivo* Applications**—Efficiently identifies β -galactosidase expressing cells both *in vitro* and *in vivo*
- ▷ **Easy to Use**—Fast staining process allows accurate visualization of *in situ* β -galactosidase expression

Description

The Beta-Gal Staining Kit is a simple and efficient kit for the detection of β -galactosidase expressing cells. This kit can be used to determine electroporation efficiency by identifying β -galactosidase expressing cells after delivery of a β -galactosidase expression vector.



lacZ mRNA Transfection



Transfection Control

FIGURE 12. Detection of β -galactosidase Expression in CHO-K1 Cells Transfected with a *lacZ* mRNA. CHO-K1 cells were transfected with an *in vitro* synthesized *lacZ* mRNA using the *TransIT*[®]-mRNA Transfection Kit. Cells were stained 18 hours post-transfection with the Beta-Gal Staining Kit to detect β -galactosidase activity.

PRODUCT SPECIFICATIONS

PRODUCT NO.	SIZE*	QUANTITY
MIR 2600	100	Each

* Number of β -galactosidase stainings in 6-well plates or 35 mm dishes.

COMPONENTS

Cell Fixative Reagent
Cell Staining Solution
X-GAL Reagent

STORAGE CONDITIONS

Store Cell Fixative Reagent at 4°C
Store Cell Staining Solution at 4°C
Store X-GAL Reagent at -20°C

RELATED PRODUCTS

Ingenio™ Electroporation Kits & Solution
TransIT[®]-LT1 Transfection Reagent
TransIT[®] Cell Line Specific Transfection Reagents
TransIT[®]-mRNA Transfection Kit

Electroporation Kits & Solution

Product Name	Product No.	Size	Quantity
Ingenio™ Electroporation Kits (solution, 0.4 cm cuvettes, cell droppers)	MIR 50113	25 Reactions ^a	
	MIR 50116	50 Reactions ^a	
	MIR 50119	100 Reactions ^a	
Ingenio™ Electroporation Kits (solution, 0.2 cm cuvettes, cell droppers)	MIR 50112	25 Reactions ^a	
	MIR 50115	50 Reactions ^a	
	MIR 50118	100 Reactions ^a	
Ingenio™ Electroporation Solution	MIR 50111	25 Reactions ^b	6.25 ml
	MIR 50114	50 Reactions ^b	12.5 ml
	MIR 50117	100 Reactions ^b	25 ml
Ingenio™ Electroporation Accessories	MIR 50120	0.2 cm Cuvettes	25 Pack
	MIR 50121	0.2 cm Cuvettes	50 Pack
	MIR 50122	0.4 cm Cuvettes	25 Pack
	MIR 50123	0.4 cm Cuvettes	50 Pack
	MIR 50124	Cell Droppers	25 Pack
	MIR 50125	Cell Droppers	50 Pack

^a Electroporation per kit.^b Number of electroporations in 0.4 cm cuvette.**Cellular Imaging & DNA Localization**Kits without *TransIT*®-LT1 Transfection Reagent

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

Cellular Imaging & siRNA LocalizationKits without *TransIT*-TKO® Transfection Reagent

Product Name	Product No.	Quantity
<i>Label IT</i> ® siRNA Tracker Cy™3 Kit	MIR 7212	Labels 50 µg
<i>Label IT</i> ® siRNA Tracker Cy™5 Kit	MIR 7213	Labels 50 µg
<i>Label IT</i> ® siRNA Tracker		
CX-Rhodamine Kit	MIR 7214	Labels 50 µg
<i>Label IT</i> ® siRNA Tracker		
TM-Rhodamine Kit	MIR 7215	Labels 50 µg
<i>Label IT</i> ® siRNA Tracker		
Fluorescein Kit	MIR 7216	Labels 50 µg
<i>Label IT</i> ® siRNA Tracker Biotin Kit	MIR 7217	Labels 50 µg

Labeled Plasmid Delivery Controls

Product Name	Product No.	Quantity
<i>Label IT</i> ® Plasmid	MIR 7904	10 µg
Delivery Control, Cy™3	MIR 7905	100 µg
<i>Label IT</i> ® Plasmid	MIR 7906	10 µg
Delivery Control, Fluorescein	MIR 7907	100 µg

Labeled RNAi Delivery Controls

Product Name	Product No.	Quantity
<i>Label IT</i> ® RNAi	MIR 7900	10 µg
Delivery Control, Cy™3	MIR 7901	100 µg
<i>Label IT</i> ® RNAi	MIR 7902	10 µg
Delivery Control, Fluorescein	MIR 7903	100 µg

Endotoxin Removal

Product Name	Product No.	Quantity
MiraCLEAN® Endotoxin	MIR 5910	10 mg DNA
Removal Kit	MIR 5900	100 mg DNA

Beta-Gal Staining

Product Name	Product No.	Quantity
Beta-gal Staining Kit	MIR 2600	100*

* Number of β-galactosidase stainings in 6-well plates or 35 mm dishes.

Related Products

Broad Spectrum DNA Transfection

Product Name	Product No.	Quantity
<i>TransIT</i> ®-LT1	MIR 2300	1 ml
Transfection Reagent	MIR 2304	0.4 ml
	MIR 5305	5 x 1 ml
	MIR 5306	10 x 1 ml

siRNA & miRNA Transfection

Product Name	Product No.	Quantity
<i>TransIT</i> -TKO®	MIR 2150	1 ml
Transfection Reagent	MIR 2154	0.4 ml
	MIR 5155	5 x 1 ml
	MIR 5156	10 x 1 ml
<i>TransIT</i> -siQUEST®	MIR 2110	1 ml
Transfection Reagent	MIR 2114	0.4 ml
	MIR 5115	5 x 1 ml
	MIR 5116	10 x 1 ml