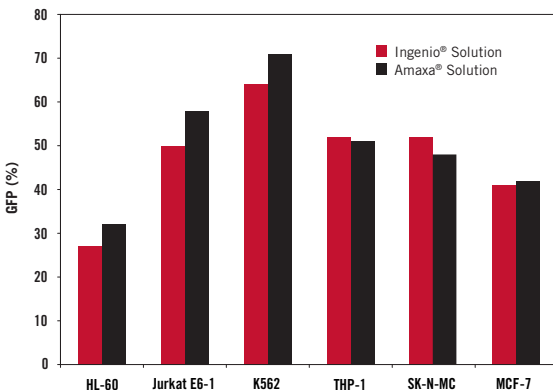




Ingenio[®] Electroporation Kits & Solution

Enhanced nucleic acid delivery using conventional electroporation devices

- High efficiency electroporation of hard-to-transfect cell lines, stem cells and primary cells
- Compatible with most conventional electroporation devices including Lonza-Amaya[®], Bio-Rad[®] or Harvard BTX[®]
- Save money and reduce research costs while maximizing results



Ingenio[®] Solution Provides Comparable Efficiency on Amaya[®] Nucleofector[®] Device.



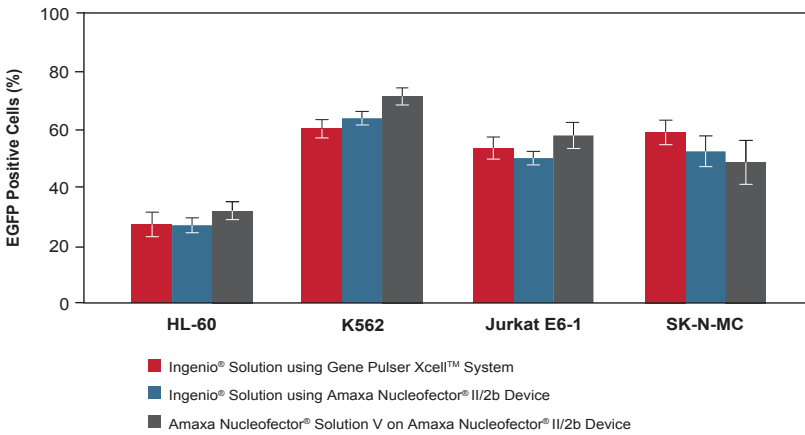
Why use Ingenio® Electroporation Kits and Solution?

Ingenio® is a broad spectrum solution that supports high efficiency electroporation with minimal toxicity and replaces standard electroporation solutions including phosphate buffered saline and serum-free media. Ingenio® Kits are compatible with multiple instruments and facilitate a wide range of applications requiring nucleic acid delivery to cells.

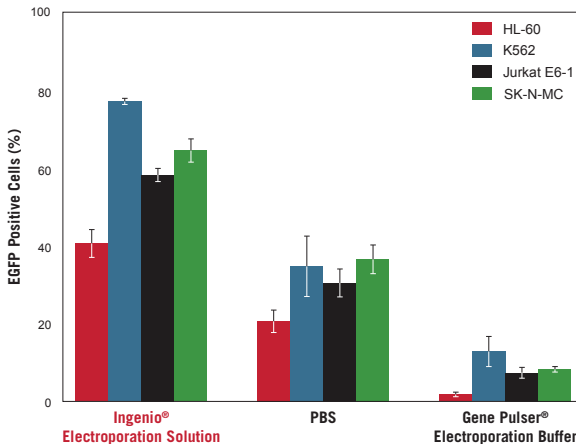
Save on Cost Without Compromising Your Results

Product	Cost/Electroporation*	Savings
Amaxa® Nucleofactor® Kit V (VCA-1003)	\$15.20	-
Ingenio® Electroporation Kit (MIR 50112)	\$9.16	40%

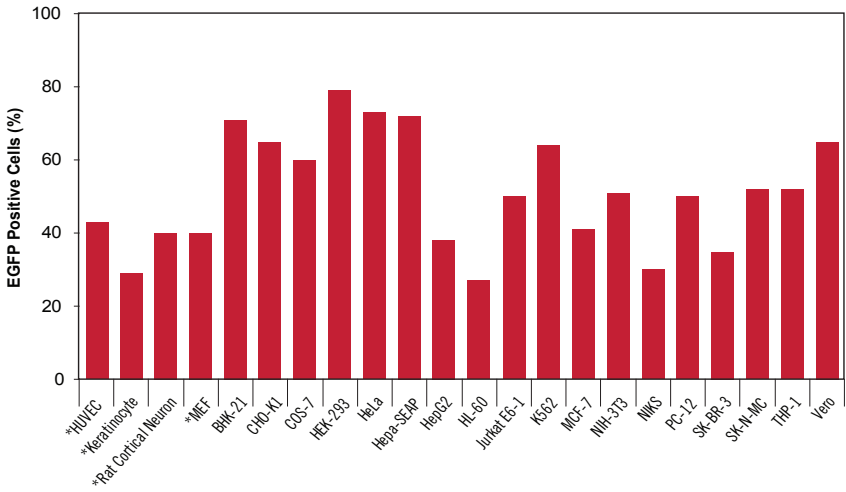
*Based on U.S. list prices from company websites and protocol recommendations (25 reactions)



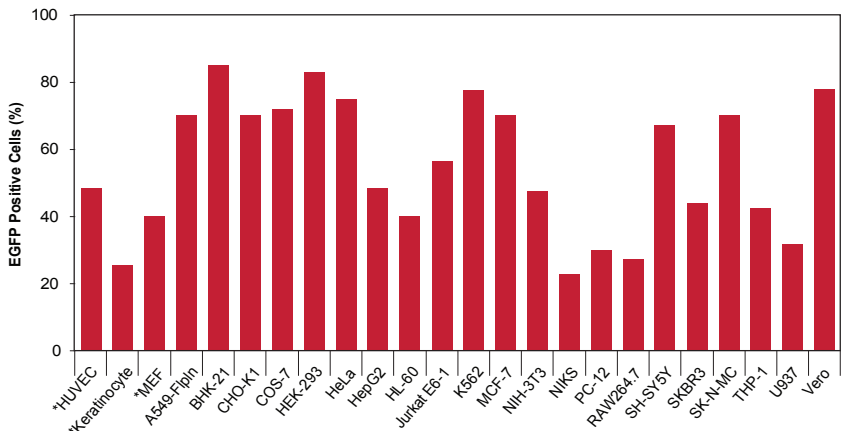
Ingenio® Solution Provides Comparable Efficiency on the Amaxa® Nucleofactor® Device. Cells were electroporated in parallel with an EGFP reporter vector and assayed at 24 hours post-electroporation by flow cytometry. Two electroporators were used with different electroporation solutions: the Ingenio® Electroporation Kit was used in the Gene Pulser Xcell™ Eukaryotic System (Bio-Rad) and in the Amaxa® Nucleofactor® II/2b Device (Lonza); the Amaxa® Nucleofactor® Kit V was used in the Amaxa® Nucleofactor® II/2b Device, all according to manufacturers' recommendations.



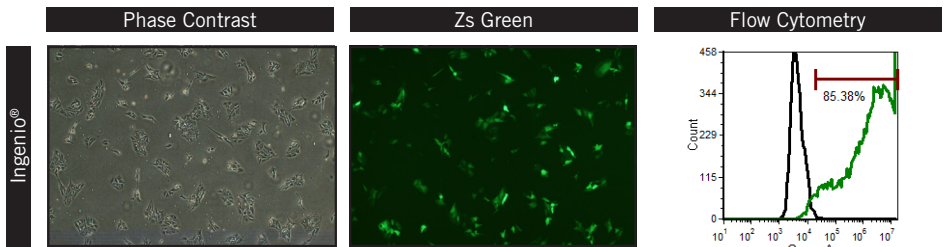
Ingenio® Outperforms Other Electroporation Solutions in Efficiency and Viability. Cells were electroporated in parallel with an EGFP reporter vector using either Ingenio® Electroporation Solution, PBS or Gene Pulser® Electroporation Buffer (Bio-Rad) on the Gene Pulser Xcell™ Eukaryotic System. EGFP expressing cells were identified 24-hours post-electroporation by flow cytometry and presented as a percentage of live cell population.



Efficient Plasmid DNA Delivery in Many Cell Types Using the Amaxa® Nucleofector® Device. Cells were assayed at 24 hours post-electroporation by flow cytometry and reported as percentage of live cell population. (*Primary cell types)



Efficient Plasmid DNA Delivery in Many Cell Types Using the Bio-Rad® GenePulser Xcell™ System. Cells were assayed at 24 hours post-electroporation by flow cytometry and reported as percentage of live cell population. (*Primary cell types)








High Efficiency Plasmid DNA Electroporation of Human Induced Pluripotent Stem (iPS) Cells using Ingenio®. The Ingenio® Electroporation Kit was used to transfect iPS cells on the Amaxa® Nucleofector® II/2b Device. Cells were electroporated with ZsGreen expressing plasmid (Clontech) and visualized 24 hours post-transfection and imaged under 4X objective with an Olympus IX71® Inverted Microscope. Cells were also assayed 24 hours post-transfection on an Accuri® Cytometer.

Data courtesy of  Cellular Dynamics International
a FISHER company

Delivery by



PRODUCT	PRODUCT NO.	QUANTITY
Ingenio® Electroporation Kits (solution, 0.2 cm cuvettes, cell droppers)  Compatible with Lonza-Amaxa® Nucleofector® II/2b devices	MIR50112	25 RXN
	MIR50115	50 RXN
	MIR50118	100 RXN
Ingenio® Electroporation Kits (solution, 0.4 cm cuvettes, cell droppers)  Compatible with Bio-Rad® and Harvard-BTX® devices	MIR50113	25 RXN
	MIR50116	50 RXN
	MIR50119	100 RXN
Ingenio® Electroporation Solution 	MIR50111	25 RXN (6.25 ml)
	MIR50114	50 RXN (12.5 ml)
	MIR50117	100 RXN (25 ml)
Ingenio® Electroporation Accessories  	MIR50120	0.2 cm cuvettes (25PK)
	MIR50121	0.2 cm cuvettes (50PK)
	MIR50122	0.4 cm cuvettes (25PK)
	MIR50123	0.4 cm cuvettes (50PK)
	MIR50124	Cell Droppers (25PK)
	MIR50125	Cell Droppers (50PK)

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