

X-Porator H1 Electroporator

X-Porator H1 electroporator is capable of high-performance delivery of DNA, RNA and protein into primary cells, stem cells and cell lines with superior transfection performance and viability. It meets all your complex cellular engineering needs:

- Regulating gene expression up or down
- Expressing recombinant proteins
- Delivering non-cell-permeant molecules
- Creating genetically modified model systems



Product Features

► Higher quality and performance

Continuous upgrade of software and hardware to improve performance to enable high efficient transfection at lower voltage

► Superior transfection efficiency and cell viability

Proprietary patented titanium platinum alloy cuvette and HiDEN technology

► Titanium platinum alloy cuvette

Reusable, transfecting 1×10^6 - 3×10^7 cells (100-300 μ L) in just a few seconds

► Patented HiDEN electrode

Used for microplates electroporation, with process cell number 1.8×10^5 - 3×10^8 cells (60-3000 μ L)

► Flexible, optimizable electroporation parameters

Compatible with Etta flow electroporator, used for parameter optimization and validation

► Wireless remote control with a tablet

Enable the entire electroporation process inside the biosafety hood, significantly reduce the risk of contamination

► Excellent after-sale service

Professional technical and application teams provide online or on-site technical support to develop and optimize your protocols or design a custom solution

► Cost-effective electroporator and consumables

Reasonable and competitive consumables cost, down to \$1 per treatment



Specifications

Item	Specification
Model No.	EBXP-H1
Electrode Types	HiDEN electrode for 96-, 24- and 12- well plates Titanium platinum alloy cuvette
Process Cell Number/Volumes	(HiDEN) 1.8×10^5 - 3×10^8 cells (60-3000 μ L) (Cuvette) 1×10^6 - 3×10^7 cells (100-300 μ L)
Waveform	Square wave
Pulse Voltage Range	1-400V
Pulse Width Range	10-100,000 μ s
Pulse Interval Range	15-10,000ms
Number of Pulses	1-100
Wireless Control Distance	15m
Input Power	100-240VAC
Instrument Dimensions	W220xD410xH190 (mm)
Instrument Weight	8.2kg

Titanium platinum alloy cuvette

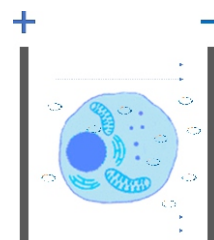
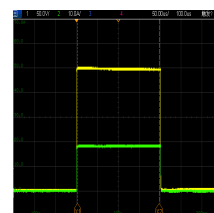
Made by noble metal alloy, extremely corrosion-resistant, reusable up to 30-50 cycles, produce little cytotoxic OH^- and metal ions during electroporation process.

Highly Accurate Pulsing

Benefit from the latest microelectronic technology and upgraded control system, enable delivering precise voltage, pulse length/time constant and pulse interval.

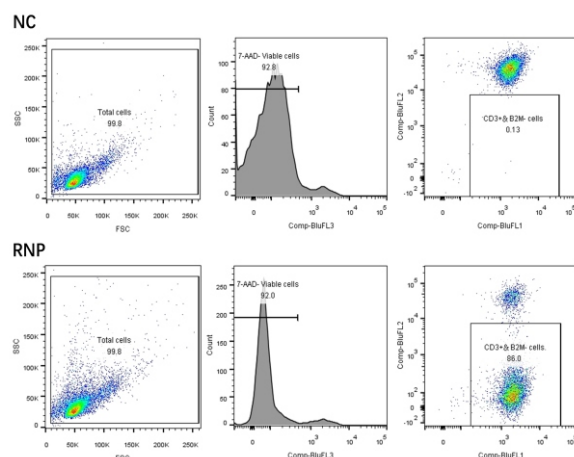
Patented HiDEN technology

High Density Electrode Needle Array creates a highly even and stable electrical field at lower voltage to enable high transfection efficiency. At the mean time it can eliminate the cathode effect that produces large amount of OH^- , further reduces the cytotoxicity and significantly improves cell viability.

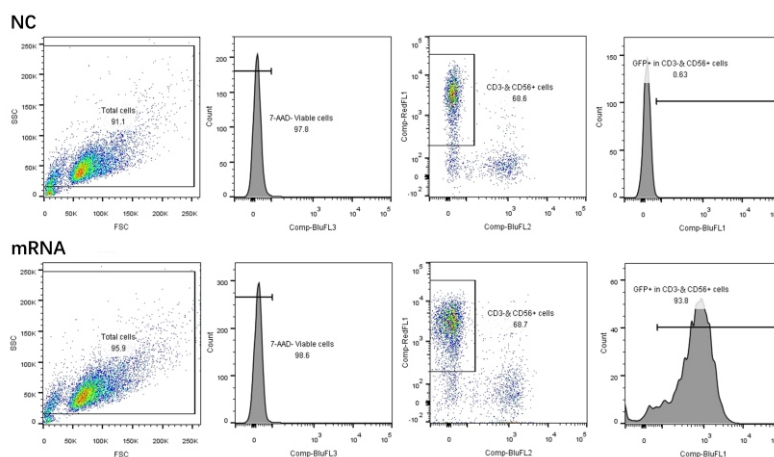


Customer Data

RNP was delivered into Primary T cells by X-Porator H1 to knock out B2M. The knock out efficiency was 86.0%, cell viability was 92.0% on day 5 after electroporation.



EGFP mRNA was delivered into Primary NK cells by X-Porator H1. The transfection efficiency was 93.8%, cell viability was 98.6% on day 2 after electroporation.



Consumables



Cuvette docking station and cuvette



HiDEN electrode for 96-, 24- or 12-well plates



EL transfection buffer

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