Sino-Biocan

X-Porator H1

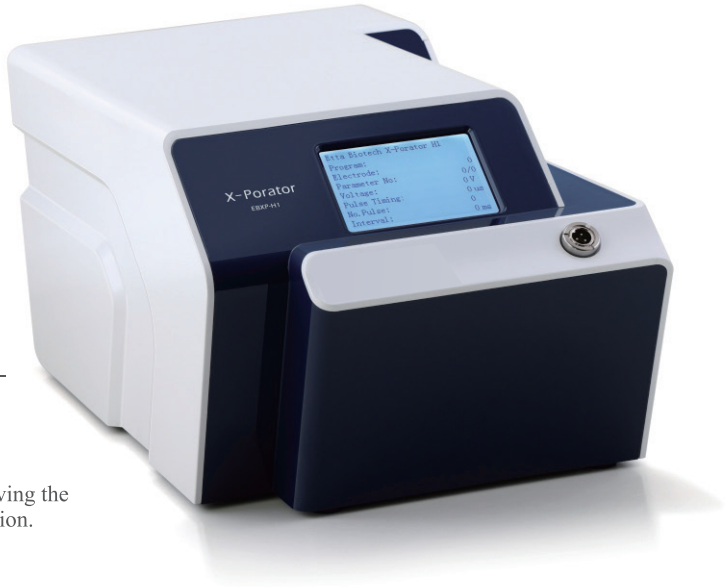
Product Features

Improved and upgraded, with a significant increase in quality and performance

After one year, 21 improvements to the electrical terminal and structural hardware, 17 software upgrades and 41 improvements were completed.

High transfection rate and high cell viability

Patented Titanium-Platinum metallic electrode cup and HiDEN needle electrode technology, low pressure transfection.



Titanium-Platinum metallic electrode cups

Stable and resistant, less likely to produce metal ions and less cytotoxic.

Needle electrodes with HiDEN technology

High density matrix needle electrode for direct transfection of cell culture multi-well plates.

Visible and adjustable parameters

Parameter optimisation and validation can be carried out in conjunction with Etta flow electrotransformer.

Wireless control

Enables the entire transfection process to be carried out without leaving the ultra-clean table, effectively reducing the risk of sample contamination.

Excellent after-sales service

Short delivery time, professional technical team, perfect after-sales service.

Cost-effective equipment and consumables

Specifications

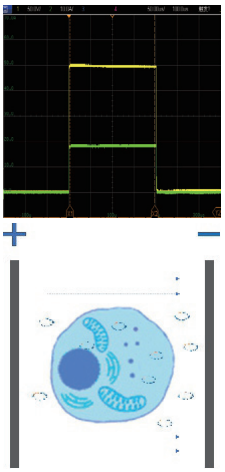
Item	Paramater	
Name	X-PoratorH1	
Type	EBXP-H1	
Recommended electroporation cell concentration	1x10 - 1x10 Cells/m (l electrode cup)	683 x 10 - 1x10 Cells/m (l needle electrode)
Recommended volume for electroporation processing	100-300u (l electrode cup)	60-3000u (l needle electrode)
Voltage waveform	Square Wave	
Pulse voltage range	1-400v	
Pulse width range	10-100, 000us	
Pulse interval range	15-10, 000ms	
Number of pulses	1-100	
Electrode type	96, 24, 12-well plates with needle electrodes or electrode cups	
Wireless transmission distance	15m	
Input voltage	100-240VAC	
Dimension	W220 x D410 x H190mm	
Weight	8.2kg	

Electrode cups in titanium-platinum alloy

Inert precious metal electrode with high corrosion resistance, stable electrochemical properties, reproducible, can be used 30-50 times repeatedly; during the transfection process, the electrode is less likely to produce metal ions and affect the cell activity.

High-precision control circuits

The latest microelectronic technology and an improved and upgraded electronic control system provide a more stable and accurate voltage waveform output.



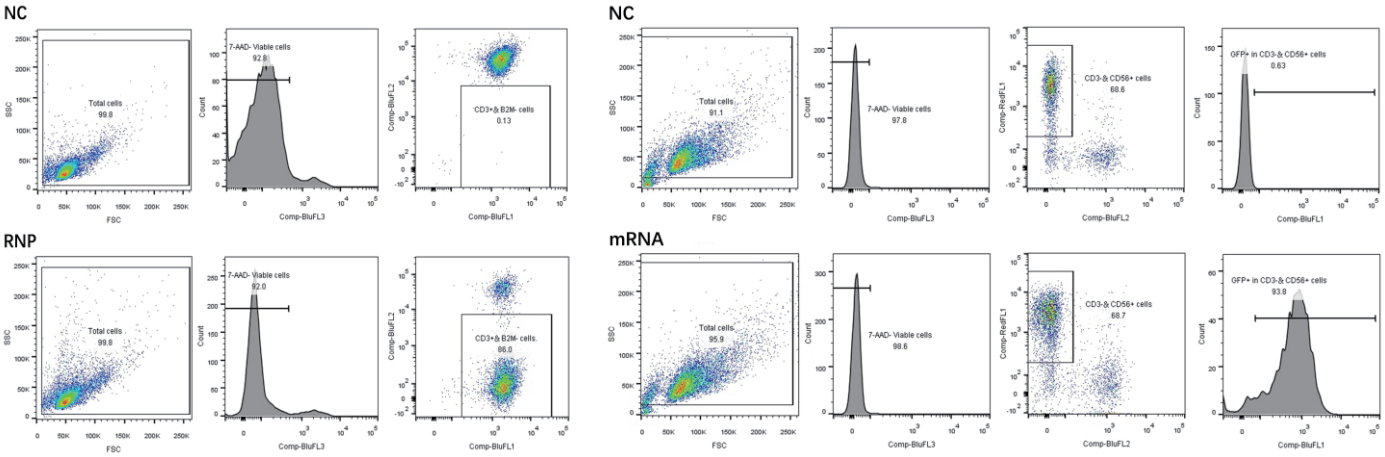
HiDEN Technology

HiDEN's patented high-density matrix needle electrode technology creates a uniform electric field of sufficient strength at low voltages to improve transfection efficiency. In addition, HiDEN technology essentially eliminates the cathodic effect of conventional electrodes and avoids the production of large amounts of hydroxide ions, which further minimizes damage to cells and significantly improves cell viability.

Customer Data

T cells were electro-transfected with RNP to knock out the B2M gene, the cell viability was 92.0% on the fifth day after electro-transfection, and the gene knockout efficiency was 86.0%.

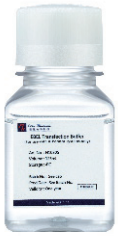
NK cells were electrotransfected with EGFP mRNA, and the cell viability was 98.6% and transfection efficiency was 93.8% on the second day after electrotransfection.



Consumables

Electrode bases and electrode cups

Packaged individually for 96, 24 and 12-well plates
Special needle electrodes



Electroporation buffer

Sino-Biocan (Shanghai) Biotech Ltd

Tel:021-60890755 / 4000056700
E-mail:info@sinobiocan.com
Website:www.sinobiocan.net
Address: 2nd Floor, Building 15, No. 6055, Jinhai Road, Fengxian District, Shanghai

Sino-Biocan Biotech (Shanghai) Ltd

Tel:021-60890755 / 4000056700
E-mail:info@sinobiocan.com
Website:www.sinobiocan.net
Address: 1st Floor, Building 15, No. 6055, Jinhai Road, Fengxian District, Shanghai

Sino-Biocan (Chengdu) Biotech Ltd

Tel:028-85840406 / 85893618
E-mail:info@sinobiocan.com
Website:www.sinobiocan.net
Address:4th Floor, Building 4, Tianfu International Biology City, No.618, Fenghuang Road, Shuangliu District, Chengdu