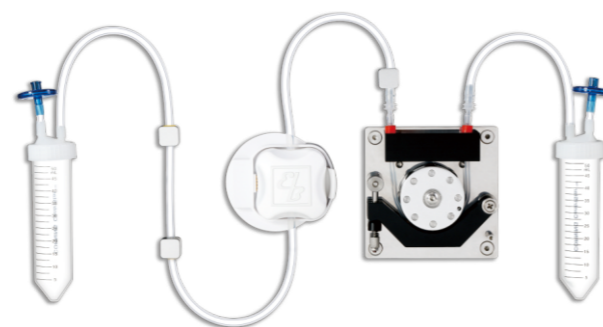
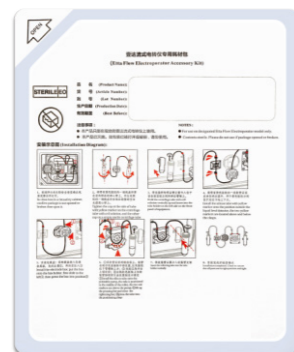


➡ Consumables

Name	Item No.	Description	Unit
F1 Flow consumable-15ml	F10201	X-Porator F1 consumble with 15 ml centrifugation tubing	set
F1 Flow consumable-50ml	F10202	X-Porator F1 consumble with 50 ml centrifugation tubing	set
F1 Flow consumable-250ml	F10203	X-Porator F1 consumble with 250 ml centrifugation tubing	set
EL buffer	H10305	Used for CHO-S/293 cell lines transfection, order from 10 bottles	bottle



X-Porator F1 consumable



X-Porator F1 consumable assembly



# X-Porator F1



## About Sino-biocan

Sino-Biocan (Shanghai) Biotech Ltd is an automated, modularized, closed cell production platform provider in cell & gene therapy field, providing total solution of smart tools innovation and service, devoting to be the industry leader integrating R & D, business development, technical service, customization and production.

Sino-Biocan has developed a GMP-grade product family of fully closed, modularized, continuous cell preparation tools, as well as consumables and liquid solution, covering processes such as automated cell separation, culture, cell concentration, washing and formulation filling, cryopreservation and recovery, etc. Meanwhile it can provide modular splicing of different GMP processes, aiming to provide rapid, efficient and differentiated customization of series products of cell preparation tools.

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Sino-Biocan (Shanghai) Biotech Ltd

Product Features



Specifications

Item	Parameter
Cell type	Eukaryotic cell suspension
Type	EBXP-F1
Recommended cell concentration	$1 \times 10^7$ - $5 \times 10^8$ /ml
Volume of single treatment	$1.5 \times 10^7$ - $1.0 \times 10^{10}$ (3-100ml)
Compatible consumables	15ml, 50ml, 250ml centrifugation tubing
Velocity	1-50 ml/min
Voltage waveform	Square Wave
Input voltage	100-240 VAC
Pulse voltage range	30 - 600 VDC
Operation system	EBXP-F1 software
Operation system platform	Linux
Dimension	W623×D452×H325 mm
Weight	Approx. 28kg

Application Field

- R&D of new drugs: mainly used in small-batch preparation for protein/antibody, screening of antibody drug and screening of positive clone, etc. Providing a faster and more cost-effective solution for enterprises engaged in R&D of new drug and antibody production.
- IVD raw material production: used in IVD companies to create antigen or antibody materials, saving time and cost.
- Cell immunotherapy research: applied to large-scale preparation for CAR-T, CAR-NK. Making the process more standardized in the R&D phase while making up for imperfection of the virus-vector scheme.

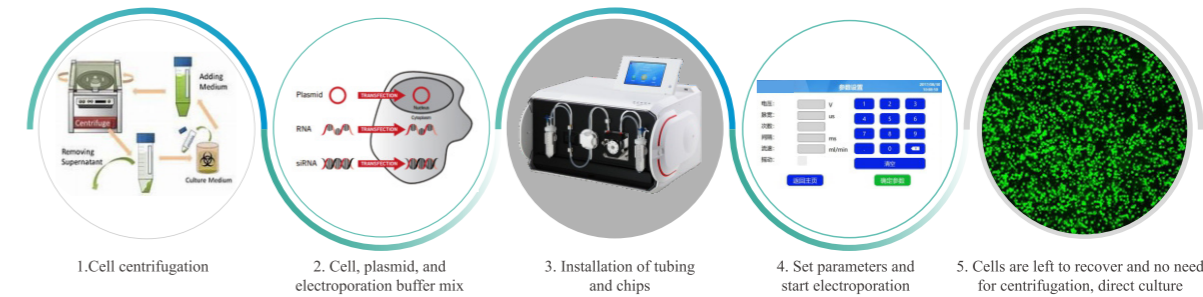
Total Solution

We not only provide electroporation instruments and fully optimized electroporation parameters, but also conduct extensive experimental testing and optimization of different transient cell lines and domestic alternative culture systems to provide a complete solution for expression enhancement.

Recommend suitable transient expression cell lines

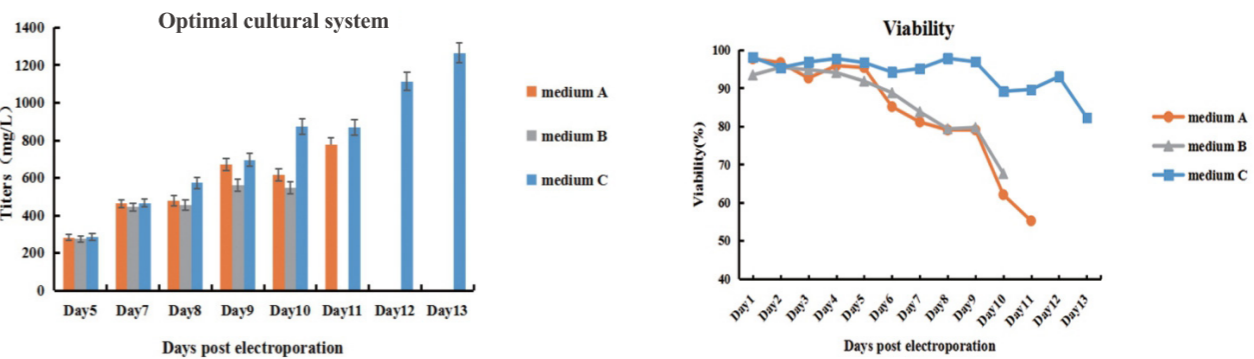
We tested the transient expression of antigens, antibodies (mono- and double-antibodies) and fusion proteins in four commonly used transient cell lines, 293F, Expi293F, CHO-S and ExpiCHO-S, and found that ExpiCHO-S cells were significantly better than the other three cell lines in terms of expression. The X-Porator F1 is also suitable for transfection of other different cells, but the ExpiCHO-S cell line is first recommended for protein expression.

Simplify the electroporation process



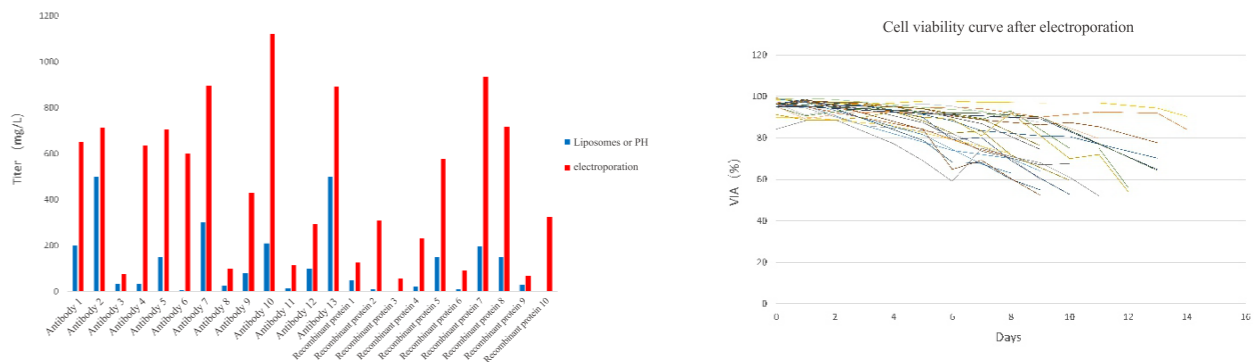
Screening of domestic cell culture media and supplements(China Mainland)

Based on the optimization of the electroporation parameters, we also tested the domestic transient culture system commonly available in the Chinese market, and selected the cell culture medium, culture conditions and replenishment materials suitable for the electroporation instrument, which further improved the protein expression significantly. At the same time, the replenishment plan was optimized, and only two replenishments were needed during the whole culture period, which greatly reduced the workload and contamination risk.



Customer Data

In comparison with the chemical transfection method, X-Porator F1 can generally improve the expression of antibody and recombinant protein by more than 2-5 times.



Transfection efficiency and cell viability data

