

INNOCONSUMABLE™

Centrifuge Tube

►► Features

- Excellent optical clarity, meet USP Class VI requirements.
- Single-handed operation, easy twist-on cap, and excellent sealing.
- Compatible with INNOVEL automation.
- Withstand centrifugal force up to 12,000g.
- Temperature range: -80°C to 121°C.
- Sterile, DNase-free, RNase-free, and pyrogen-free.
- Sterilized by gamma radiation.



Culture Tube

►► Features

- Excellent optical clarity, meet USP Class VI requirements.
- Single-handed operation, easy twist-on cap, and excellent sealing.
- 0.22µm hydrophobic and breathable membrane to achieve breathability and bacteria resistance.
- Achieve good balance between evaporation and gas exchange, enable rapid growth of microbes or cells.
- Compatible with INNOVEL automation.
- Sterile, DNase-free, RNase-free, and pyrogen-free.
- Sterilized by gamma radiation.



Shallow Well Plate

►► Features

- Meet USP Class VI requirements.
- Withstand 3500g centrifugal force.
- Minimal liquid residue.
- Compliant with ANSI specifications, suitable for multichannel pipetting, compatible with INNOVEL automation.
- Sterile, DNase-free, RNase-free, and pyrogen-free.
- Sterilized by gamma radiation.



Cell Culture Plate

►► Features

- Meet USP Class VI requirements.
- Autoclavable, 121°C, 15 minutes.
- Withstand low temperature of -80°C.
- Withstand 3500g centrifugal force.
- Complete liquid transfer from the bottom (no liquid residue).
- Minimal liquid residue.
- Compatible with deep well plate lid. minimize evaporation.
- Compliant with ANSI specifications, suitable for multichannel pipetting, compatible with INNOVEL automation.
- Sterile, DNase-free, RNase-free, and pyrogen-free.
- Sterilized by gamma radiation.

// 24-Well



96-Well



96-Well Deep Well Plate
(Square-well, V-bottom, 2mL/well)



96-Well Cell Culture Plate
(Round-well, Round-bottom, 1.6mL/well)



96-Well Cell Culture Plate
(Square-well, V-bottom, 2mL/well)



96-Well Cell Culture Plate
(Square-well, V-bottom, 1.6mL/well)



96-Well Cell Culture Plate
(Round-well, Round-bottom, 1.6mL/well)

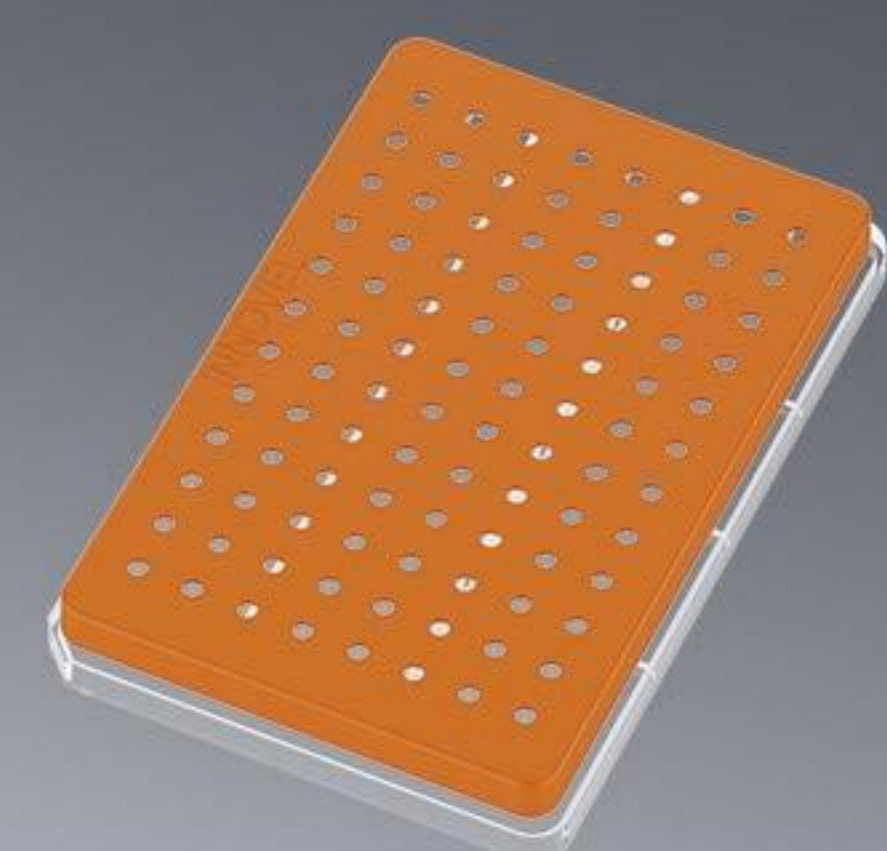
Agar Plate

►► Features

- Meet USP Class VI requirements.
- With chamfered guide, easy to identify the direction.
- Smooth and highly transparent bottom.
- Compliant with ANSI specifications, suitable for multichannel pipetting, compatible with INNOVEL automation units.
- Sterile, DNase-free, RNase-free, and pyrogen-free.
- Sterilized by gamma radiation.



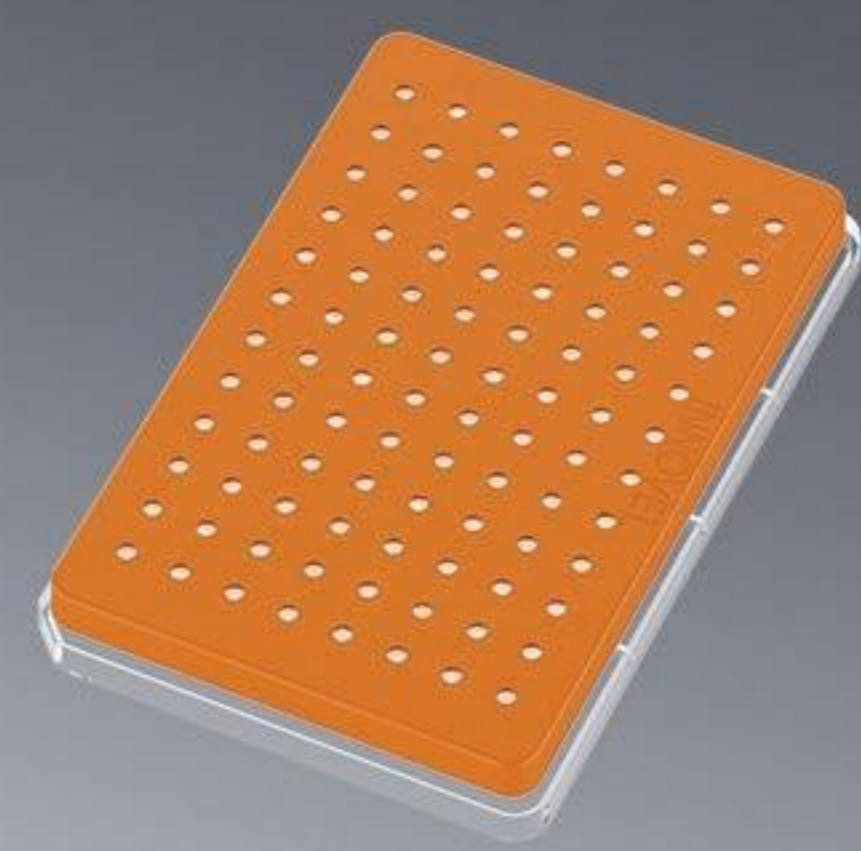
12-Well Agar Plate (Square-well,
Flat-bottom, 5mL/well, Ordinary Lid)



12-Well Agar Plate (Square-well,
Flat-bottom, 5mL/well, Breathable Lid)



Single-Well Agar Plate (Square-well,
Flat-bottom, 30mL/well, Ordinary Lid)



Single-Well Agar Plate (Square-well,
Flat-bottom, 30mL/well, Breathable Lid)

Tips

►► Features

- Meet USP Class VI requirements.
- Smooth inner walls to minimize liquid residue and ensure accurate pipetting.
- Temperature range: -80°C to 121°C.
- Built-in hydrophobic filter to prevent contamination.
- Compliant with ANSI specifications, suitable for multichannel pipetting, compatible with INNOVEL automation.
- Sterile, DNase-free, RNase-free, and pyrogen-free.
- Sterilized by gamma radiation.



10µL Clear Tips



50µL Clear Tips



300µL Clear Tips



300µL Clear Tips (Extended Length)



1000µL Clear Tips

Package Specification

Number	Category	Description	Outer Packaging Dimension	Specification
002003	Culture Tube	Culture Tube (50mL)	820*346*362mm	25Pcs/Bag, 20Bags/Case
002001	Centriguge Tube	Centrifuge Tube (50mL)	820*346*362mm	25Pcs/Bag, 20Bags/Case
002048	Cell Culture Plate	24–Well Deep Well Plate (Square–well,V–bottom,10mL/well)	480*280*282mm	1Pcs/Bag, 50Bags/Case
002033		24–Well Cell Culture Plate (Square–well,V–bottom,10mL/well)	480*280*282mm	1Pcs/Bag, 50Bags/Case
002049		96–Well Deep Well Plate (Square–well,V–bottom,2mL/well)	480*280*282mm	1Pcs/Bag, 50Bags/Case
002042		96–Well Cell Culture Plate (Round–well,Round–bottom,1.6mL/well)	480*280*282mm	1Pcs/Bag, 50Bags/Case
002050		96–Well Cell Culture Plate (Square–well,V–bottom,2mL/well)	480*280*282mm	1Pcs/Bag, 50Bags/Case
002041		96–Well Cell Culture Plate (Square–well,V–bottom,1.8mL/well)	480*280*260mm	1Pcs/Bag, 50Bags/Case
002030		96–Well Cell Culture Plate (Round–well,Round–bottom,1.6mL/well)	480*280*260mm	1Pcs/Bag, 50Bags/Case
002046	Shallow Well Plate	96–Well Shallow Well Plate (Round–well,V–bottom,300μL/well)	526*306*200mm	10Pcs/Bag, 10Bags/Case
002047	Agar Plate	12–Well Agar Plate (Square–well,Flat–bottom,5mL/well,Ordinary Lid)	526*306*200mm	10Pcs/Bag, 10Bags/Case
002043		12–Well Agar Plate (Square–well,Flat–bottom,5mL/well,Breathable Lid)	526*306*200mm	10Pcs/Bag, 10Bags/Case
002044		Single–Well Agar Plate (Square–well,Flat–bottom,30mL/well,Ordinary Lid)	526*306*200mm	10Pcs/Bag, 10Bags/Case
002045		Single–Well Agar Plate (Square–well,Flat–bottom,30mL/well,Breathable Lid)	526*306*200mm	10Pcs/Bag, 10Bags/Case

Number	Category	Description	Outer Packaging Dimension	Specification
002014	Tips	10μL Clear Tips	500*300*642mm	10Boxes/Set 5Sets/Case
002015		50μL Clear Tips	500*300*642mm	10Boxes/Set 5Sets/Case
002016		300μL Clear Tips	500*300*642mm	10Boxes/Set 5Sets/Case
002034		300μL Clear Tips (Extended Length)	500*300*642mm	10Boxes/Set 5Sets/Case
002017		1000μL Clear Tips	500*300*642mm	10Boxes/Set 5Sets/Case



INNOVESSEL Cell Culture

InnoVessel, flourish your cell !

Email: info@velsson.com

Add: 245 Main St, Cambridge, MA 02142

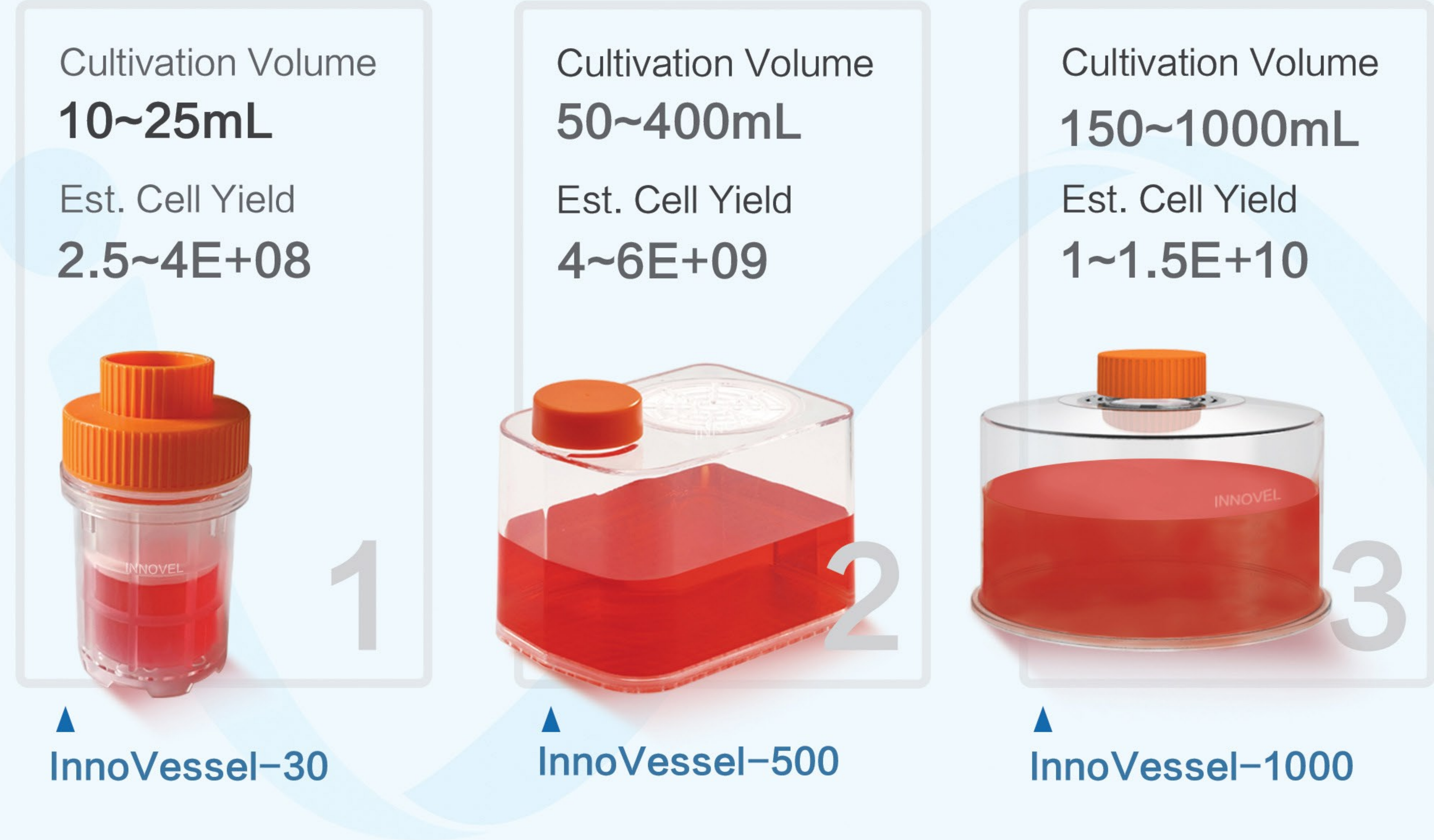
Web: www.velsson.com

INNOVEL Cell Culture InnoVessel

InnoVessel™ suspension flasks are designed to provide consistent cell growth and reproducible results every time for any size application in production and research & development.

InnoVessel™ series ideal for any cell growth and amplification process and provides superior results with wide range of human and animal cell lines, including: T Cell, CAR-T, TCR-T, TIL, NK, CAR-NK, CIK, K562, Jurkat, Raji & more.

Recommended seeding density ~5E+05 /mL, minimum seeding density 2E+05 /mL.



- ✓ Manufactured with medical grade materials for superior transparency and biocompatibility.
- ✓ Patented double layered permeable membrane technology optimizes gas exchange for superior cell growth with cultivation density quotient over 1E+07 /mL.
- ✓ Uniquely positioned top filter is ergonomically placed to prevent accidental membrane wetting and lowers the risk of contamination.
- ✓ Supernatant removal can be performed without centrifugation to avoid damage to cells and allows optimal use of media (InnoVessel-500 & 1,000).
- ✓ Space saving design ideal for static cultures and maximizes incubator space.
- ✓ Non-pyrogenic & sterilized with gamma irradiation.

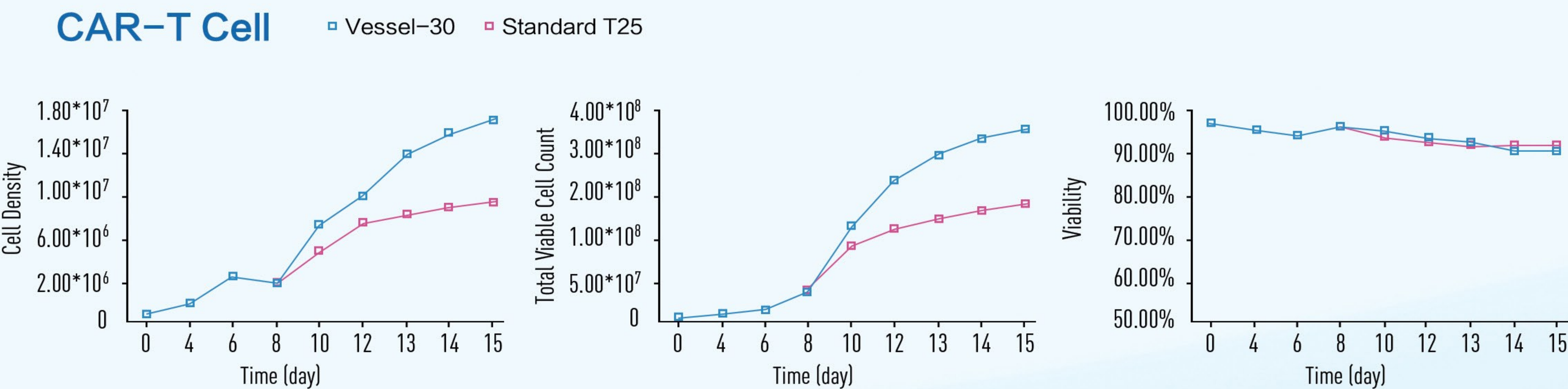
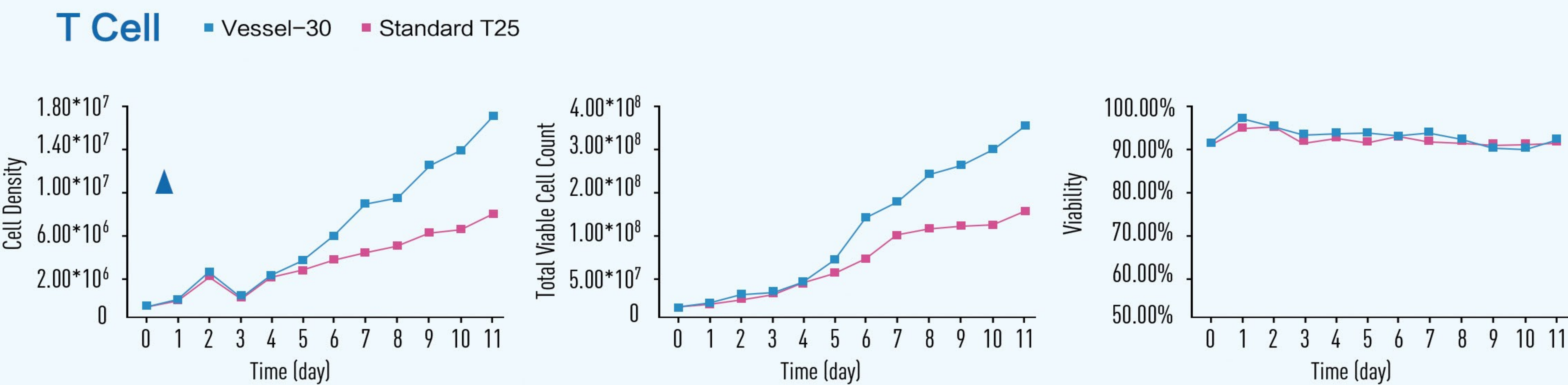


InnoVessel-30 Culture Mini-Bottle

The unique cap design with a double-layered inner sleeve membrane and a breathable outer layer promotes superior cell growth and health.

01 Culture amplification of T/CAR-T Cells in InnoVessel-30 vs. Standard T25

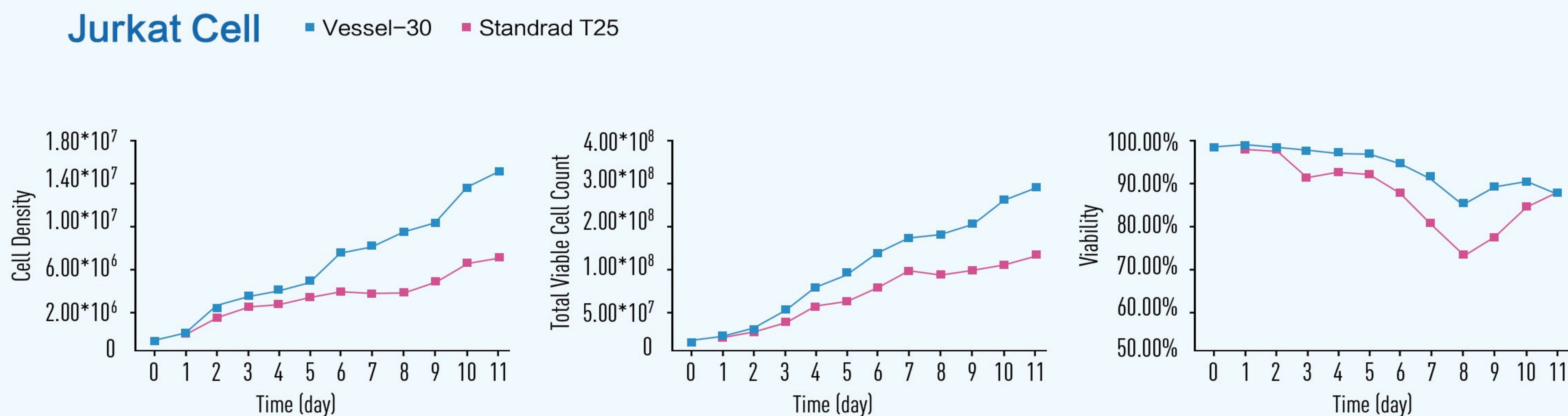
The recommended culture volume is 10–25mL and the recommend seeding density is ~5E+05/mL (minimum seeding density, 2E+05/mL).



InnoVessel-30 flasks attained high level viable cell density over 1.6E+07/mL with T/CAR-T cells achieving 2X higher yield than standard T25 flasks.

02 The Jurkat cells cultured and expanded in InnoVessel-30 and standard T25

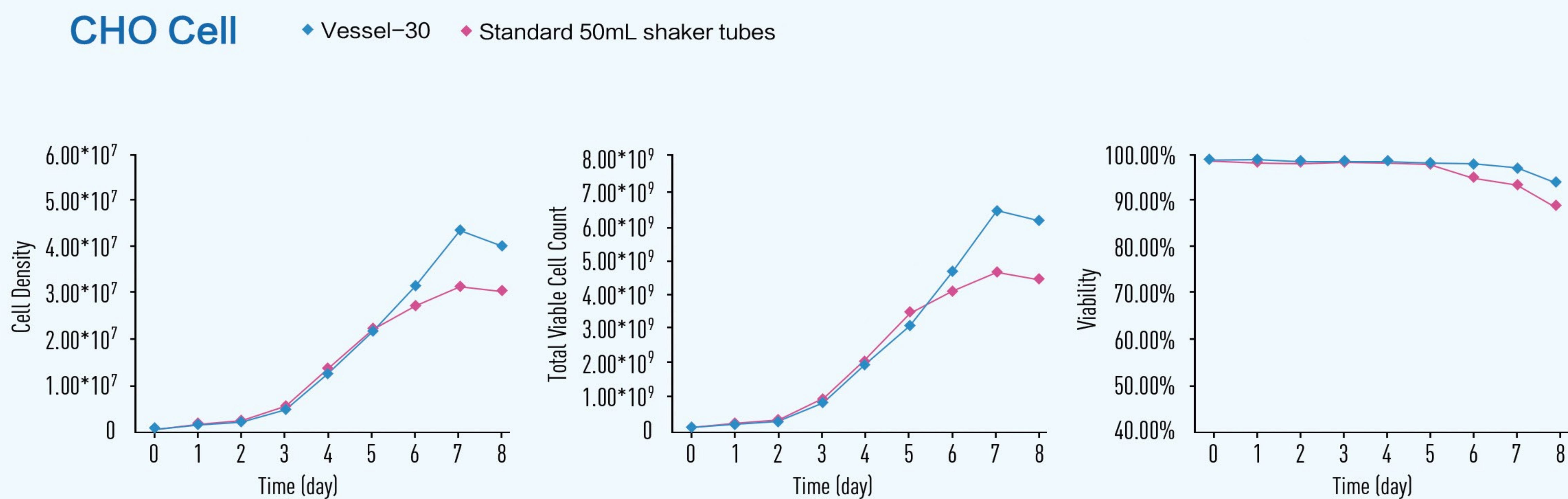
The recommended culture volume is 10–25mL and the inoculation density is $\sim 5 \times 10^5$ cells/mL.



Jurkat cells can also be cultured at high density in InnoVessel-30, reaching up to 1.6×10^7 cells/mL.

03 For CHO cells cultured and expanded in InnoVessel-30, and 50mL shaker tubes

The recommended culture volume is 10–15mL, with an inoculation density of $3 \sim 5 \times 10^5$ cells/mL. The shaking bed amplitude is 50mm, and the recommended speed is 120–150rpm.



In InnoVessel-30:

CHO cell culture density can reach over 4×10^7 cells/mL, significantly higher than in standard 50mL shaker tubes and comparable to the culture effect in shaker flasks.



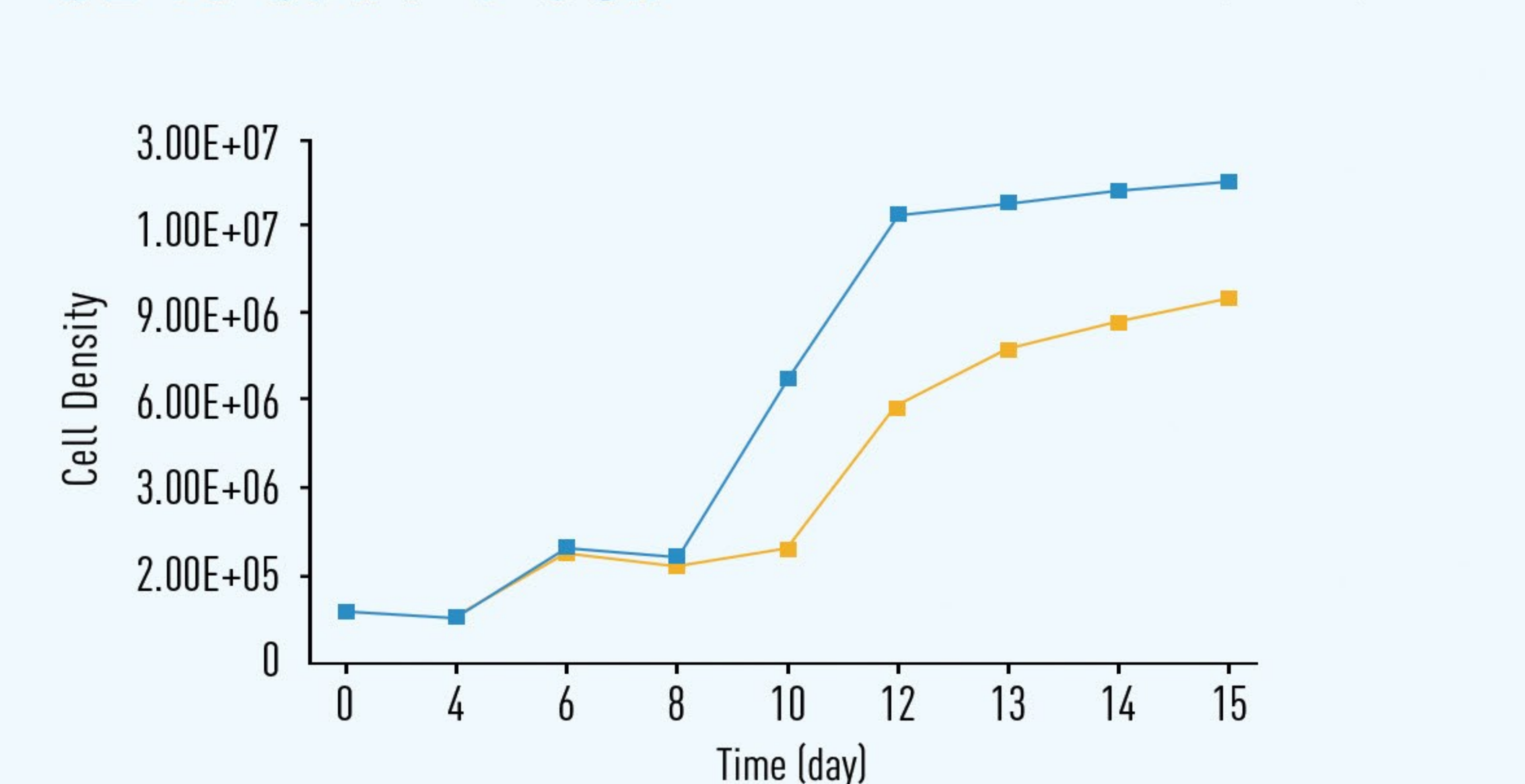
InnoVessel-500 Flask

It is recommended to use a cultivation volume of 50–400mL with a seeding density of $\sim 5 \times 10^5$ cells/mL.

The design with an open top allows for media exchange without the need for centrifugation, avoiding potential cell damage and saving culture media. During cell harvest, a simple procedure involves settling the cells first, discarding the upper part of the culture supernatant, and then proceeding with centrifugation, making the process more straightforward and reducing the risk of contamination.

01 The cultivation and expansion of CD19 CAR-T cells were conducted in INNOVESSEL-500 and compared to alternative methods.

CD19 CAR-T Cell



The cultivation performance of CD19 CAR-T cells in InnoVessel-500 bottles is equivalent to that in comparison products. After transfection for 8 days, the cell density exceeds 1.0×10^7 cells/mL, with a viability exceeding 95%, and stable expression of CD19 CAR positivity.