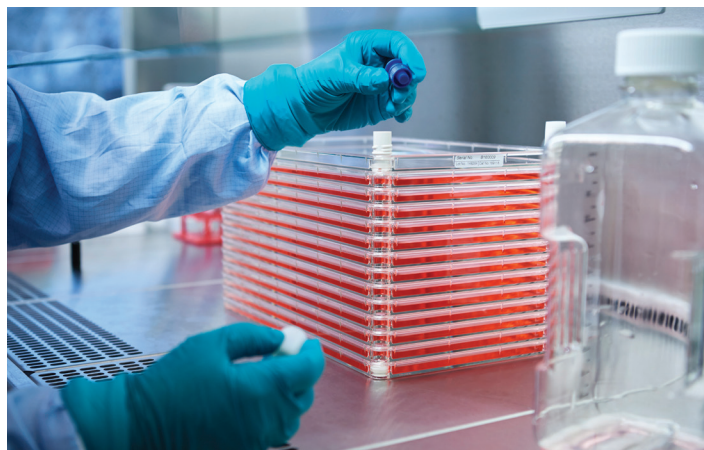


Frequently asked question related to Cell Factory systems

How much medium, PBS, and trypsin do I use with my Nunc Cell Factory system?

Culturing in a Thermo Scientific™ Nunc™ Cell Factory™ system is as simple as culturing in a T-flask or dish. Seed the Cell Factory system with the same medium and at the same cell density (cells/cm²) as in a flask or dish. A volume of 150–200 mL per tray (2.4–3.2 mm depth) is commonly used.

Simply identify the size of the Cell Factory system you are using in the table below, and use the suggested working volumes for each step of the cell culture process.



Cell Factory system	Seeding		Harvesting		
	Surface area (cm ²)	Medium* (mL)	Phosphate-buffered saline (PBS), no Ca ²⁺ or Mg ²⁺ (mL)	0.25% trypsin-EDTA (mL)	Medium for stopping cell dissociation (mL)
Standard 1-layer	632	150–200	30–40	20	40
Standard 2-layer	1,264	300–400	60–80	30	80
Standard 4-layer	2,528	600–800	120–160	60	160
Standard 10-layer	6,320	1,500–2,000	300–400	150	400
Standard 40-layer	25,280	6,000–8,000	1,200–1,600	600	1,600
High-density 3-layer	1,896	450–600	90–120	60	120
High-density 13-layer	8,216	1,950–2,600	390–520	260	520
High-density 52-layer	32,864	7,800–10,400	1,560–20,802	1,040	2,080

* To ensure equal distribution of cells on each layer, cells should be added to the medium and mixed thoroughly prior to filling the Cell Factory system. Suggested volumes are based on the cultivation of Vero and MRC-5 cell lines. Some cell lines may require more or less volume.

Find out more at thermofisher.com/cellfactory

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