

Product Name:	Freeze-resistant Biofactory	
Product Application:	Nest freeze-resistant BioFactory™ Systems are compact, multi-layer, single-use cell culture systems designed for easy scale-up cell culture applications, can be used for medium to large scale research and industrial-scale production such as vaccines, monoclonal antibodies and biopharmaceuticals. It is suitable for adherent cell culture. Linear amplification will not change the kinetic conditions of cell growth.	
Product Materials:	Polystyrene (PS), meets USP, Class VI.	
product Specifications:	Temperature range: stored at room temperature Shelf life: 3 Years after date of production (ensure package is in good)	
Sterilization:	Yes. Sterilized by E-beam, Sterility Assurance Level: SAL=10 ⁻⁶ . The product has been irradiated and dosimetrically released based on ANSI/AAMI/ISO 11137	
Pyrogens:	Non-Pyrogenic	
RNase/DNase:	DNase/RNase free	
BSE/TSE:	These products are deemed animal free.	
Performance Testing:	Each manufacturing lot is sampled and tested in accordance with standard operating procedures. Appearance inspection: qualified Particle Test: qualified Hydrophilic test: qualified Cell culture test: qualified Packaging inspection: qualified	
Features	1. Made of high clarity, Strictly selected polystyrene conforming to USP Class VI standard. 2. Class 10,000 clean production workshop, process has been repeatedly verified, strict quality management, to ensure stable product quality. 3. The irradiation sterilization process has passed ISO 13485 and ISO 11137 quality system certification. 4. TC treated, good for adherent cell attachment and growth. 5. Utilizes a layered adhesive bonding process to enhance freeze resistance. Withstands storage at -18° C to -20° C and endures up to three freeze-thaw cycles without compromising structural integrity. 6. Vent caps with 0.22um hydrophobic filters for gas exchange without contamination. 7. Wide mouth is applicable to pour culture medium directly. Narrow mouth is applicable to operate with the aseptic pipeline. 8. Growth kinetics are the same as cells grow in the cell culture flasks. Applicable to large-scale culture adherent cells. 9. Large growing area. Just a single operate, you can cultivate a large number of cells and	

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reduce contamination risk.

10. Biosafety testing Refer to <<State Food and Drug Administration National Standards for Packaging Materials and Containers in Direct Contact with Drugs (Series 6)>>

11. Applicable to automatic machine.

12. Standardize operations to reduce batch differences.

13. Double-layer sterile bag, clear lot number for batch traceability.

Product Range

Cat.No.	Layer	Cap Style / Case	Cultivation area (cm ²)	/ Case
771191	2	16 sterile wide vent caps (with 16 sterile wide plug seal caps included separately)	1264	8
771294	5	8 sterile wide vent caps (with 8 sterile wide plug seal caps included separately)	3160	4
771392	10	12 sterile wide vent caps (with 12 sterile wide plug seal caps included separately)	6320	6

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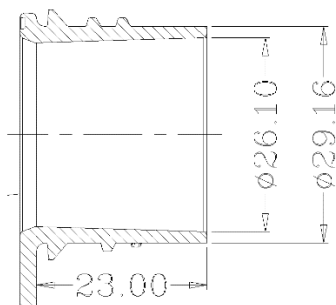
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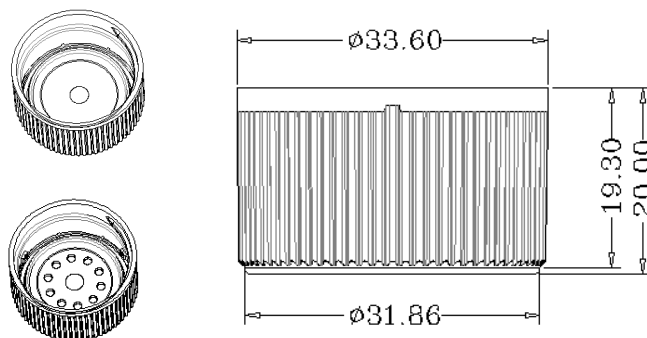
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Technical Drawing

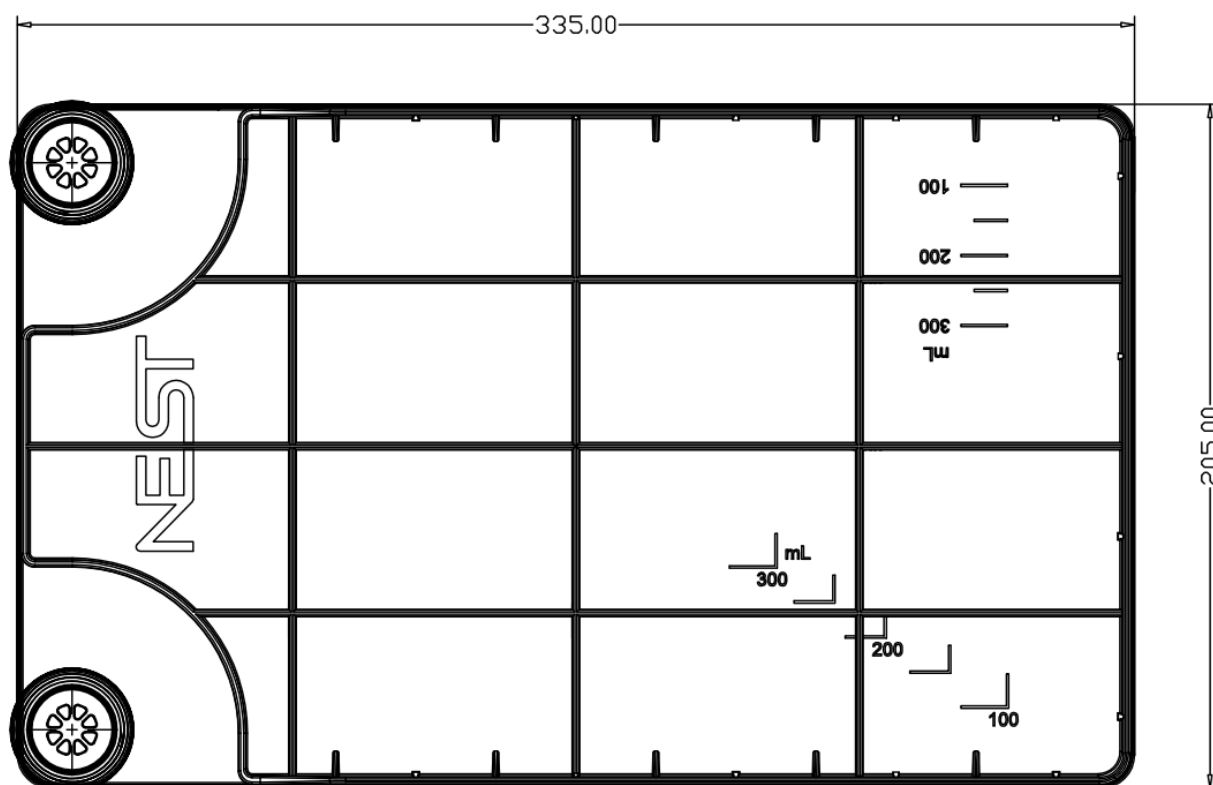
Wide mouth:



Wide Vent/ Plug Seal Caps



2 Wide Caps:



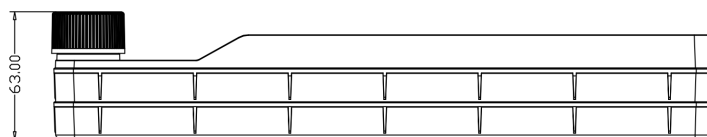
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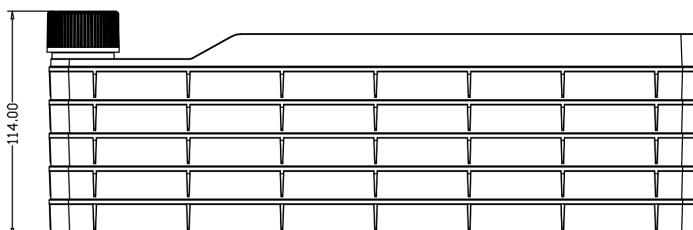
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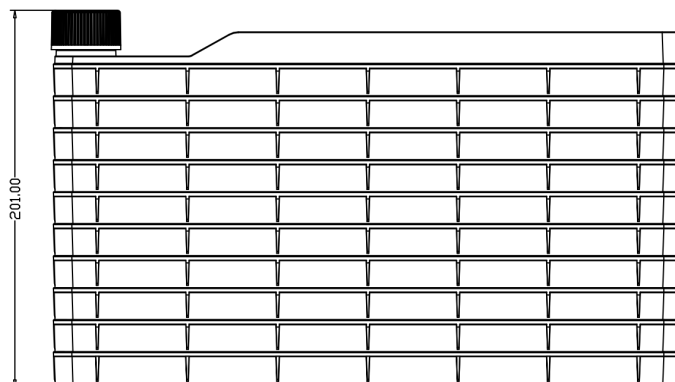
2 Layer



5 Layer



10 Layer



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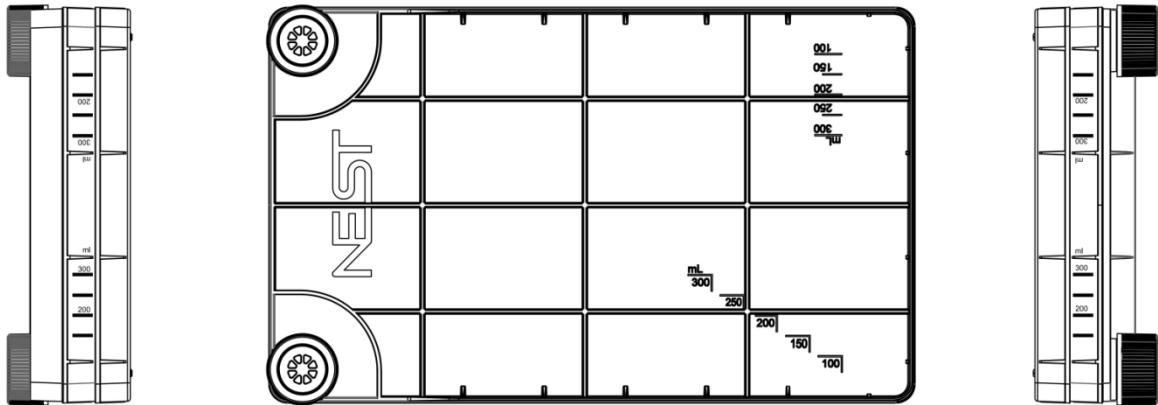
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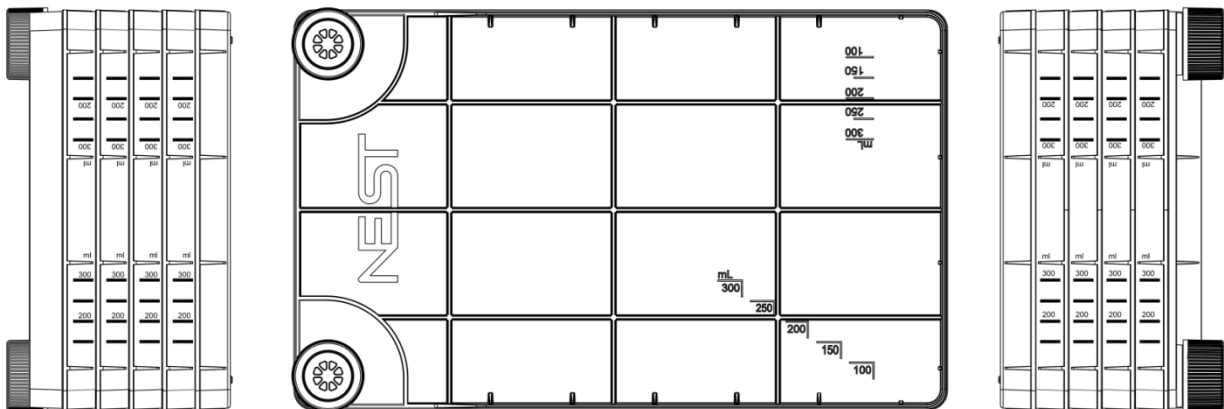
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Degree Scale

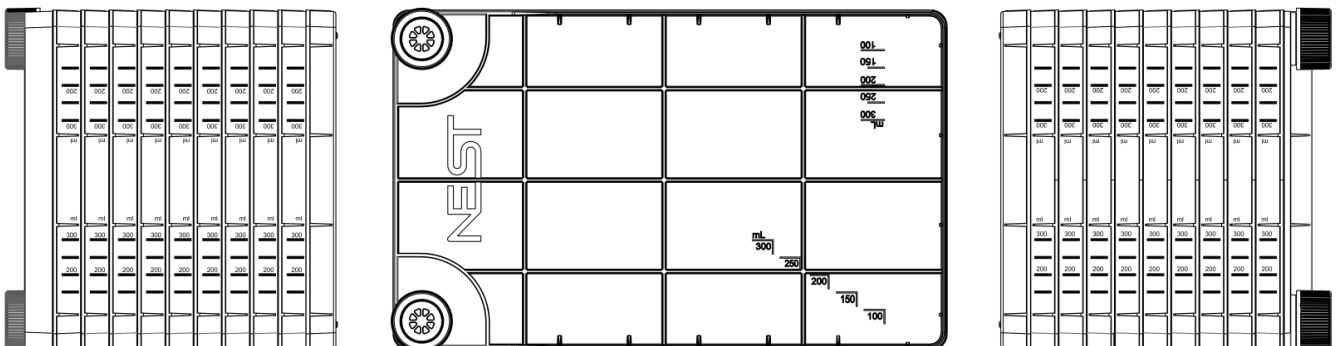
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