

sterilized and certified for proper dosage levels. Products meet a minimum Sterility Assurance Level: (SAL) of 10⁻⁶.

- 6. Individually packaged in sterile bag.
- 7. Endotoxin-free, and no ingredients of animal origin.

Comparison with competitors' products:

Advantages of the Nest Multi-Function Liquid Transfer Cap System:

- 1. The transfer cover poses a greater membrane area, which enables cells to have a higher oxygen flux during the high-density culture.
- 2. The front end of the sampling pipette is equipped with a one-way valve to enable safer sampling and to prevent contamination caused by reverse liquid flow during sampling.
- 3. The pipeline is equipped with a 0.22um PTFE needle-type filter, which addresses the problem of liquid residue in the pipeline during feeding; when liquid is coming in and there is no need to use a peristaltic pump. A needle filter can be used instead to pump air and the cell fluid may be transferred using the siphon principle.

Types

A. Bi-directional Liquid Transfer Cap:

The bi-directional liquid transfer cap is used along with a 2L, 3L or 5L shake flask to connect a liquid inlet tubing with the required device. The liquid transfer is achieved by connection of a peristaltic pump between the shake flask and the device. Upon completion of the transfer, the transfer cap can be replaced with a vent cap for culture.



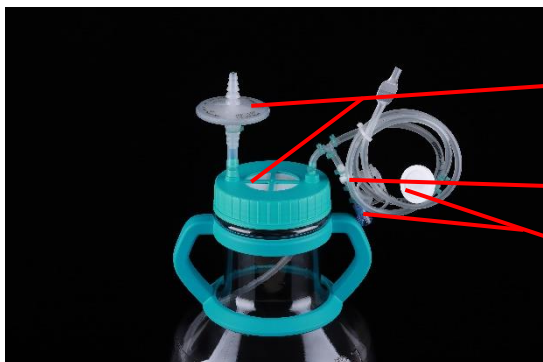
Linepipe for input and output of liquid, can be aseptically welded in conventional environments.

0.22 um needle-type air filter, to ensure aseptic air exchange during input and output of liquid.

PTFE pipeline, contact with the bottle.

B. Multi-Function Liquid Transfer Cap:

Unlike the bi-directional liquid transfer cap, the multi-function liquid transfer cap can be directly placed in an incubator for culture after the liquid transfer is completed. It can reach a large air flux. The sampling part is composed of a sampling nozzle and a one-way valve, which can prevent the liquid from flowing backwards during the sampling process and ensure the aseptic sampling. The liquid inlet tubing is provided with a PTFE needle filter, which solves the issue of liquid remaining in the tubing during the feeding process.



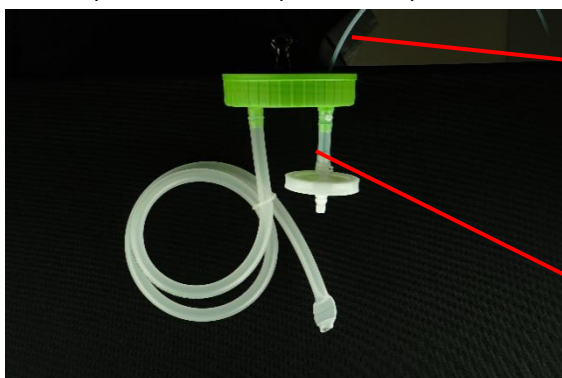
0.22um air filter + breathable film, to ensure high-density culture of cells.

Sampling pipette + one-way valve, to ensure safer sampling and prevent reverse liquid flow during sampling.

Pipeline with a 0.22um PTFE needle-type filter, to address the problem of liquid residue in the pipeline during feeding.

C. Inverted Liquid Transfer Cap:

The inverted transfer cap is used along with a 2L, 3L or 5L shake flask to connect a liquid inlet tubing with the required device. When liquid transfer is required, the liquid is transferred under gravity with the inverted shake flask.



Fine PTFE pipe, to prevent liquid from entering the air filter when inverting the bottle for liquid flowing out and to ensure aseptic air exchange.

Linepipe for output of liquid, can be aseptically welded in conventional environments.

Product Range

Cat. No.	Product name	Product Description				/Pk	/Cs
		Thermoplastics pipe diameter	Pipe Length	Pipe Connect	Cap Diameter		
C10111-AJE052B	Multi-Function Liquid Transfer Cap System for 2L Erlenmeyer Flasks	1/8" ID, 1/4" OD	52cm	Aseptic welding \ heat-seal	75.5mm	1	4
C10211-AJE052B	Multi-Function Liquid Transfer Cap System for 3L Erlenmeyer Flasks	1/8" ID, 1/4" OD	52cm	Aseptic welding \ heat-seal	75.5mm	1	4
C10311-AJE052B	Multi-Function Liquid Transfer Cap System for 3L Wide-mouth Erlenmeyer Flasks	1/8" ID, 1/4" OD	52cm	Aseptic welding \ heat-seal	106mm	1	4
C10411-AJE092B	Multi-Function Liquid Transfer Cap System for 5L Erlenmeyer Flasks	1/8" ID, 1/4" OD	92cm	Aseptic welding \ heat-seal	106mm	1	4
C10122-AZB050B	Bi-directional Liquid Transfer Cap System for 2L Erlenmeyer Flasks	1/8" ID, 1/4" OD	50cm	Aseptic welding \ heat-seal	75.5mm	1	4
C10222-AZB050B	Bi-directional Liquid Transfer Cap System for 3L Erlenmeyer Flasks	1/8" ID, 1/4" OD	50cm	Aseptic welding \ heat-seal	75.5mm	1	4
C10322-AZB050B	Bi-directional Liquid Transfer Cap System for 3L Wide-mouth Erlenmeyer Flasks	1/8" ID, 1/4" OD	50cm	Aseptic welding \ heat-seal	106mm	1	4
C10422-AZB090B	Bi-directional Liquid Transfer Cap System for 5L Erlenmeyer Flasks	1/8" ID, 1/4" OD	90cm	Aseptic welding \ heat-seal	106mm	1	4
C10131-AZC050B	Inverted Liquid Transfer Cap System for 2L Erlenmeyer Flasks	1/8" ID, 1/4" OD	50cm	Aseptic welding \ heat-seal	75.5mm	1	4
C10231-AZC050B	Inverted Liquid Transfer Cap System for 3L Erlenmeyer Flasks	1/8" ID, 1/4" OD	50cm	Aseptic welding \ heat-seal	75.5mm	1	4
C10331-AZC050B	Inverted Liquid Transfer Cap System for 3L Wide-mouth Erlenmeyer Flasks	1/8" ID, 1/4" OD	50cm	Aseptic welding \ heat-seal	106mm	1	4

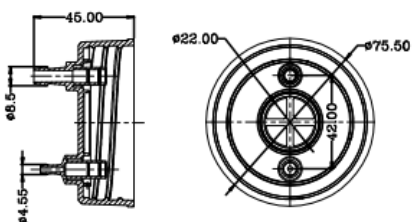
Head Office No. 530, Xida Road, Meicun Industrial Park, Xinwu District, Wuxi, Jiangsu, China
 Tel: +86+ 510-6800 6788 Email: info@nest-wuxi.com
 Online: www.cell-nest.com

Oversea NEST USA (New Jersey/ Phoenix)
 NEST scientific 株式会社 (Yokohama, Japan)
 NEST Scientific Europe B.V (Netherlands)
 Nest Scientific (MENA) FZE (Sharjah, United Arab Emirates)

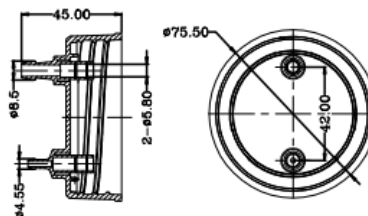
ISO9001 & ISO13485 & ISO11137

C10431-AZC090B	Inverted Liquid Transfer Cap System for 5L Erlenmeyer Flasks	1/8" ID, 1/4" OD	90cm	Aseptic welding \ heat-seal	106mm	1	4
C10133-DZC050B	Inverted Liquid Transfer Cap System for 2L Erlenmeyer Flasks, Thick Outlet Pipe	1/4" ID, 1/4"OD	50cm	Aseptic welding \ heat-seal	75.5mm	1	4
C10233-DZC050B	Inverted Liquid Transfer Cap System for 3L Erlenmeyer Flasks, Thick Outlet Pipe	1/4" ID, 7/16"OD	50cm	Aseptic welding \ heat-seal	75.5mm	1	4
C10333-DZC050B	Inverted Liquid Transfer Cap System for 3L Wide-mouth Erlenmeyer Flasks, Thick Outlet Pipe	1/4" ID, 7/16"OD	50cm	Aseptic welding \ heat-seal	106mm	1	4
C10433-DZC090B	Inverted Liquid Transfer Cap System for 5L Erlenmeyer Flasks, Thick Outlet Pipe	1/4" ID, 7/16"OD	90cm	Aseptic welding \ heat-seal	106mm	1	4

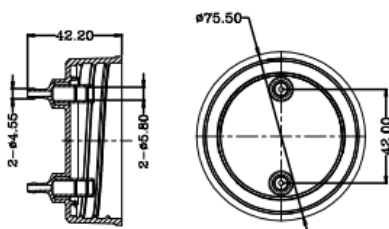
Technical Drawing



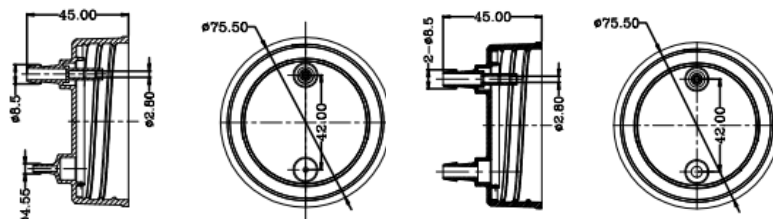
Multi-Function Liquid Transfer Cap System for 2L/3L Erlenmeyer Flasks



Bi-directional Liquid Transfer Cap System for 2L/3L Erlenmeyer Flasks



Bi-directional Liquid Transfer Cap System for 2L/3L Erlenmeyer Flasks



Inverted Liquid Transfer Cap System for 2L/3L Erlenmeyer Flasks

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