

# SQUARE STORAGE BOTTLE

Square Storage Bottle is a reagent storage container commonly utilized in laboratories. NEST offers Square Storage Bottles in PET, PETG, and PC materials. Additionally, a fresh range of PET bottles featuring a classic square shoulder design is recently launched, offering a wider variety of specifications and liquid storage solutions.

1. The bottle body has high transparency, high mechanical strength, and strong impact resistance, making it convenient for observation and transportation.
2. The material has strong tolerance, low temperature resistance, UV resistance, and is not easy to crack.
3. The smooth inner surface minimizes the residue on the inner wall.
4. Non-cytotoxic, non-pyrogenic, and free of animal-derived components



Square Storage Bottle

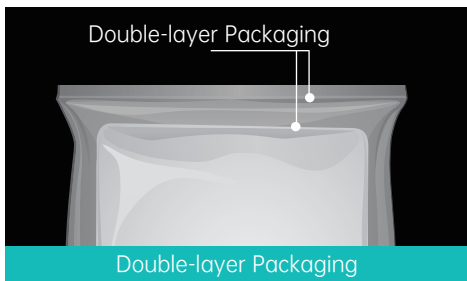


Square Storage Bottle Closed System Solution



## ● Structural Features

- Cap: the mold for cap is specifically designed. The cap is formed through one-shot moulding without inner gasket, enabling it closer attached to the body for better sealing performance.
- Bottleneck: smooth buckle design reduces residue inside.
- Body: it has high transparency, high mechanical strength, strong impact resistance, and is convenient for observation and transportation. The smooth inner surface minimizes the residue on the inner wall. And the thickness of the bottle wall is uniform for better anti-crack and anti-puncture capacity.
- Bottom: the bottom has curved inner corners that are easy to clean, and the bottom is injection molded with raw material information



### Double-layer Packaging

- Enhanced protection: double-layer packaging offers additional protection for safety in case the bottles were damaged by external forces such as extrusion, vibration, and collision during transportation
- Improved durability: double-layer packaging ensures durability and a longer service life.
- Compliance: in line with material entry requirements of the GMP purification workshop of the biological laboratory.

### Double-layer Large Packaging

- Economical and cost-effective: reducing costs of packaging and labor
- Improve efficiency: reducing the redundant loading and unloading operations for industrial customers when filling liquid, spurring the efficiency and reducing the labor intensity.

### Tray-packed

- The tray-packed bottles features an one-piece plastic sealing coating by packaging equipment, which ensures better protection and less collision between and prevents contamination and loss
- High space utilization by stacking

## ● Product information

Volume(mL)	Double-layer Packaging			Double-layer Large Packaging		Tray-packed			
	Pack	PET	PETG	PC	Pack	PET	Pack	PETG	PC
30	5pcs/pack, 40pcs/cs	/	354111	354314	/	/	40 pcs/tray 280 pcs/cs	354113	354313
60	6pcs/pack, 48pcs/cs	354611	354511	354714	40pcs/pack, 200pcs/cs	354614	40 pcs/tray 200 pcs/cs	354513	354713
125	6pcs/pack, 48pcs/cs	353611	353511	353314	24pcs/pack, 192pcs/cs	353614	24 pcs/tray 96 pcs/cs	353513	353313
250	6pcs/pack, 48pcs/cs	352611	352511	352314	30pcs/pack, 120pcs/cs	352614	30 pcs/tray 60 pcs/cs	352513	352313
500	8pcs/pack, 24pcs/cs	333001	333511	333314	20pcs/pack, 80pcs/cs	333004	20 pcs/tray 40 pcs/cs	333513	333313
500 (Square shoulder design)	8pcs/pack, 24pcs/cs	333621	/	/	20pcs/pack, 80pcs/cs	333624	/	/	/
1000	4pcs/pack, 12pcs/cs	334001	334511	334314	12pcs/pack, 48pcs/cs	334004	12 pcs/tray 24 pcs/cs	334513	334313
2000	6pcs/pack, 12pcs/cs	/	355114	355314	/	/	/	/	/
5000	1pcs/pack, 6pcs/cs	/	/	355714	/	/	/	/	/

NEST has introduced a new liquid transfer system that provides a sterile transfer solution for pharmaceutical, biotechnology, and laboratory applications. The interface uses a standard Luer head for easy operation, and the TPE material meets the requirements of industrial pharmaceutical companies and has been tested for extractables according to the full set of BPOG guidelines by a certified third-party.

## To customize a NEST Square Storage Bottle Closed System Solution that meets your needs, follow these steps:

Generate custom graphics by submitting your request on

[www.cell-nest.com](http://www.cell-nest.com)



### Step 1



- Choose the bottle capacity
- Choose the bottle material



250mL



500mL



1000mL

Bottle Material ( PETG  PET  PC)

Notes: you may order the transfer cap only

### Step 2



- Choose the cap type



Two-port cap



Three-port cap

Notes: Compatible with diverse connectors

### Step 3

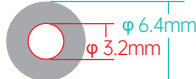


- Choose the tube size/length
- Choose the tube material

TPE 1/4" ID, 3/8" OD



TPE 1/8" ID, 1/4" OD



Inlet and outlet liquid tubing  
( vulcanized silicone tube  P welded tube)

### Step 4



- Choose the membrane area Air filter (PVDF membrane)

4.5cm<sup>2</sup>

13.8 cm<sup>2</sup>

20 cm<sup>2</sup>

Other

Membrane ( 4.5cm<sup>2</sup>  13.8cm<sup>2</sup>  20cm<sup>2</sup>  Other)

### Step 5



- Choose the connector type
  - ① Luer connector (male and female)
  - ② MPC connector (male and female)
  - ③ Heat sealing (no connector)



MPC Connector (male/female)



Luer Connector (male/female)



Heat Seal (no connector)

= Results



Inform our sales or product engineer of your choice if you have completed your selection.

## Square Storage Bottle Closed System Solution



Closed System Solution(Bi-Directional Transfer Cap)



Bi-Directional Transfer Cap



Closed System Solution(3-Port Transfer Cap)



3-Port Transfer Cap

### ● Product introduction

The newly launched NEST Closed System collection provides an aseptic liquid infusion solution for pharmaceuticals, biotechnology industry and laboratories. A standard Luer head is used in the joint of the system, enabling the operation more convenient. Also, the TPE material of tubes is in line with the requirements for industrial pharmaceutical enterprises, and is validated by a certified third party in accordance with BPOG Guide for Evaluating Extractables and Leachables.

### ● Features

- Various tubing specifications
- The injection-molded transfer cap is highly compatible with other major brands.
- The bottle body is made of PETG, which has high transparency, mechanical strength, low-temperature resistance, and UV resistance, making it suitable for observation and transportation.
- The unique external thick collar design of the bottle neck secures a sealed environment for experiments.
- Non-cytotoxic, non-pyrogenic, no animal-derived components.

### ● Product information

Compatibility	Transfer Cap type	Tubing			Connector	0.2µm Filter Membrane area	/Case	Cat. NO.	
		Material	Length	Dia.				Closed System	Transfer Cap
250 mL	Bi-Directional Transfer Cap	TPE hose	60cm	TPE 1/4"ID, 3/8"OD	Female Luer	4.5 cm <sup>2</sup>	10	C50921-BHB060A	C50921-BHB060B
				TPE 1/4"ID, 3/8"OD	MPC Male	4.5 cm <sup>2</sup>	10	C50921-BBB060A	C50921-BBB060B
				TPE 1/8" ID, 1/4" OD	Female Luer	4.5 cm <sup>2</sup>	10	C50922-AGB060A	C50922-AGB060B
				TPE 1/8" ID, 1/4" OD	MPC Male	4.5 cm <sup>2</sup>	10	C50922-AAB060A	C50922-AAB060B
500 mL	Bi-Directional Transfer Cap			TPE 1/4"ID, 3/8"OD	Female Luer	4.5 cm <sup>2</sup>	10	C51021-BHB060A	C51021-BHB060B
				TPE 1/4"ID, 3/8"OD	MPC Male	4.5 cm <sup>2</sup>	10	C51021-BBB060A	C51021-BBB060B
				TPE 1/8" ID, 1/4" OD	Female Luer	4.5 cm <sup>2</sup>	10	C51022-AGB060A	C51022-AGB060B
				TPE 1/8" ID, 1/4" OD	MPC Male	4.5 cm <sup>2</sup>	10	C51022-AAB060A	C51022-AAB060B
1000 mL	Bi-Directional Transfer Cap	TPE 1/4"ID, 3/8"OD	Female Luer	4.5 cm <sup>2</sup>	10	C51121-BHB060A	C51121-BHB060B		
		TPE 1/4"ID, 3/8"OD	MPC Male	4.5 cm <sup>2</sup>	10	C51121-BBB060A	C51121-BBB060B		
		TPE 1/8" ID, 1/4" OD	Female Luer	4.5 cm <sup>2</sup>	10	C51122-AGB060A	C51122-AGB060B		
		TPE 1/8" ID, 1/4" OD	MPC Male	4.5 cm <sup>2</sup>	10	C51122-AAB060A	C51122-AAB060B		
2000 mL	Bi-Directional Transfer Cap	TPE 1/8" ID, 1/4" OD	Female Luer lock connector with luer plug	4.5 cm <sup>2</sup>	10	C511AB-AGB060A	C511AB-AGB060B		
		TPE 1/4"ID, 3/8"OD	Female Luer	13.8 cm <sup>2</sup>	4	C50123-BHC060A	C50123-BHC060B		
	3-Port Transfer Cap	TPE 1/4"ID, 3/8"OD	MPC Male	13.8 cm <sup>2</sup>	4	C50123-BBC060A	C50123-BBC060B		
		TPE 1/4"ID, 3/8"OD	Female Luer	13.8 cm <sup>2</sup>	4 <sup>Double-layer</sup>	C501AA-BHC060A	C501AA-BHC060B		
5000 mL	Bi-Directional Transfer Cap	TPE 1/4"ID, 3/8"OD	Heat-seal	13.8 cm <sup>2</sup>	2	C50423-BZC060A	C50423-BZC060B		
	3-Port Transfer Cap	TPE 1/4"ID, 3/8"OD	Heat-seal	13.8 cm <sup>2</sup>	2 <sup>Double-layer</sup>	C504AA-BZC060A	C504AA-BZC060B		