

Product Name:	PET/PETG/PC Square Storage Bottles		
Product Application:	NEST Square Reagent Bottle is an ideal option of storage and transportation container for culture medium, serum, buffer, intermediates and reagents for biopharmaceutical and biotechnology companies, reagent R&D institutions, etc. The three raw materials used in the bottles, PET, PETG and PC, meet USP Class VI USP<661> biocompatibility requirements and ISO 10993 quality systems. 1. Storage or sampling of active pharmaceutical ingredients and bulk intermediates. 2. Experiments or storage of buffers, culture solutions, intermediates and supernatants, etc. 3. Storage of specific PH-sensitive liquid.		
Product Materials:	PET/PETG/PC (Bottle), PP (Cap) PP + Medical-grade Silicone (Cap- 5 L, 10 L, 20L) Meets <i>USP, Class VI standards</i>		
Product Shelf Life:	Temperature range: stored at room temperature. Shelf life: 5 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 Test:	Each manufacturing lot is sampled and tested in accordance with standard operating procedures. Appearance inspection: qualified Sealing performance test: qualified Freezing test: qualified Packaging inspection: qualified		
Features:	1. PET wall is light in weight and resistant to low temperature, while PETG wall is thick, durable, and resistant to fracture, PC Autoclavable. 2. High chemical durability, suitable for the storage of high purity reagent, standard particle materials and samples. 3. High transparency, strong mechanical strength and shock resistance, and convenient for observation and transportation. 4. Highly tolerant of low temperature, UV rays, and resistant to fracture. 5. Smooth inner surface can minimize the residue on the wall. 6. Available in a variety of volumes:30mL/ 60mL/ 125mL/ 250mL/ 500mL/ 1L /2L/ 5L/ 10L /20L. 7. Sterile, DNase/RNase/Pyrogen free.		
Precaution:	1. PET/PETG Unfit for autoclave. Not a vessel to be heated.		

Head Office

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Online: www.cell-nest.com

Overseas

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)

2. PET/PETG Operating temperature range: -80℃~ 50℃.
3. PC Operating temperature range:-80℃~ 121℃. (PC Autoclavable. But some mechanical energy may be lost.)

Product Range:**Double-bagged**

Cat. No.	Product Description	Volume(mL)	/Pack	/Case
354111	30 mL PETG Square Storage Bottle, Sterile, Double Bag Package	30	5	40
354511	60 mL PETG Square Storage Bottle, Sterile, Double Bag Package	60	6	48
353511	125 mL PETG Square Storage Bottle, Sterile, Double Bag Package	125	6	48
352511	250 mL PETG Square Storage Bottle, Sterile, Double Bag Package	250	6	48
333511	500 mL PETG Square Storage Bottle, Sterile, Double Bag Package	500	8	24
334511	1000 mL PETG Square Storage Bottle, Sterile, Double Bag Package	1 L	4	12
355114	2 L PETG Square Storage Bottle, Sterile, Double Bag Package	2 L	1	12
354611	60 mL PET Square Storage Bottle, Sterile, Double Bag Package	60	6	48
353611	125 mL PET Square Storage Bottle, Sterile, Double Bag Package	125	6	48
352611	250 mL PET Square Storage Bottle, Sterile, Double Bag Package	250	6	48
333001	500 mL PET Square Storage Bottle, Sterile, Double Bag Package	500	8	24
333621	500 mL PET Square Storage Bottle, Sterile, Double Bag Package (square-shouldered model)	500	8	24
334001	1000 mL PET Square Storage Bottle, Sterile, Double Bag Package	1 L	4	12
354314	30 mL PC Square Storage Bottle, Sterile, Double Bag Package	30	5	40
354714	60 mL PC Square Storage Bottle, Sterile, Double Bag Package	60	6	48
353314	125 mL PC Square Storage Bottle, Sterile, Double Bag Package	125	6	48
352314	250 mL PC Square Storage Bottle, Sterile, Double Bag Package	250	6	48
333314	500 mL PC Square Storage Bottle, Sterile, Double Bag Package	500	8	24
334314	1000 mL PC Square Storage Bottle, Sterile, Double Bag Package	1 L	4	12
355314	2 L PC Square Storage Bottle, Sterile, Double Bag Package	2 L	1	12
355714	5 L PC Square Storage Bottle, Sterile, Double Bag Package	5 L	1	6
357314	10 L PC Square Storage Bottle, Sterile, Double Bag Package	10 L	1	2
357714	20 L PC Square Storage Bottle, Sterile, Double Bag Package	20 L	1	2

Double-bagged Large**Head Office**

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Cat. No.	Product Description	Volume(mL)	/Pack	/Case
354614	60 mL PET Square Storage Bottle, Sterile, Double-layer Large Package	60	40	200
353614	125 mL PET Square Storage Bottle, Sterile, Double-layer Large Package	125	24	96
352614	250 mL PET Square Storage Bottle, Sterile, Double-layer Large Package	250	30	120
333004	500 mL PET Square Storage Bottle, Sterile, Double-layer Large Package	500	20	80
333624	500 mL PET Square Storage Bottle, Sterile, Double-layer Large Package (square-shouldered model)	500	20	80
334004	1000 mL PET Square Storage Bottle, Sterile, Double-layer Large Package	1000	12	48
354114	30 mL PETG Square Storage Bottle, Sterile, Double-layer Large Package	30	40	240
354514	60 mL PETG Square Storage Bottle, Sterile, Double-layer Large Package	60	40	200
353514	125 mL PETG Square Storage Bottle, Sterile, Double-layer Large Package	125	24	96
352514	250 mL PETG Square Storage Bottle, Sterile, Double-layer Large Package	250	30	120
333514	500 mL PETG Square Storage Bottle, Sterile, Double-layer Large Package	500	20	80
334514	1000 mL PETG Square Storage Bottle, Sterile, Double-layer Large Package	1000	12	48

Tray-Packed

Cat. No.	Product Description	Volume(mL)	/Pack	/Case
354113	30 mL PETG Square Storage Bottle, Sterile, Tray-Packed	30	40	280
354513	60 mL PETG Square Storage Bottle, Sterile, Tray-Packed	60	40	200
353513	125 mL PETG Square Storage Bottle, Sterile, Tray-Packed	125	24	96
352513	250 mL PETG Square Storage Bottle, Sterile, Tray-Packed	250	30	60
333513	500 mL PETG Square Storage Bottle, Sterile, Tray-Packed	500	20	40
334513	1000 mL PETG Square Storage Bottle, Sterile, Tray-Packed	1000	12	24
354313	30 mL PC Square Storage Bottle, Sterile, Tray-Packed	30	40	280
354713	60 mL PC Square Storage Bottle, Sterile, Tray-Packed	60	40	200
353313	125 mL PC Square Storage Bottle, Sterile, Tray-Packed	125	24	96
352313	250 mL PC Square Storage Bottle, Sterile, Tray-Packed	250	30	60
333313	500 mL PC Square Storage Bottle, Sterile, Tray-Packed	500	20	40
334313	1000 mL PC Square Storage Bottle, Sterile, Tray-Packed	1000	12	24

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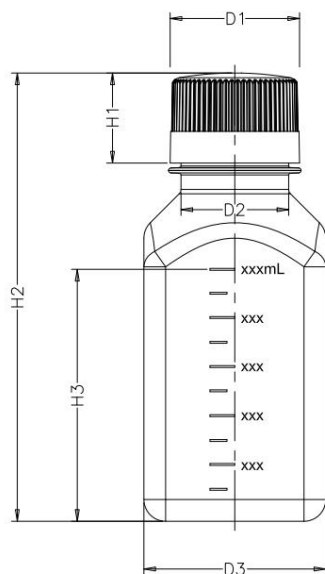
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Nest 1000 mL PETG Square Storage Bottle Cap Sealing Torque Range

Range Value	Measured Cap Sealing Torque Values for Three Gradients (Unit: N·m)							Maximum Value	Maximum Value	Average Value
1-2 N·m	1.136	1.191	1.230	1.328	1.495	1.805	1.865	1.865	1.865	1.435
2-3 N·m	2.037	2.071	2.127	2.271	2.282	2.231	2.263	2.263	2.037	2.183
3-4 N·m	3.424	3.443	3.496	3.647	3.720	3.763	3.381	3.381	3.424	3.553

Nest 1000 mL PETG Square Storage Bottle Opening Torque Value Range

Range Value	Measured Cap Sealing Torque Values for Three Gradients (Unit: N·m)							Maximum Value	Maximum Value	Average Value
1-2 N·m	0.625	0.778	0.668	0.927	0.721	1.014	1.221	0.625	1.221	0.850
2-3 N·m	1.182	1.191	1.351	1.262	1.415	1.658	2.001	1.182	2.001	1.430
3-4 N·m	2.710	2.330	2.482	2.681	2.501	2.510	2.487	2.330	2.681	2.520

Technical Drawing

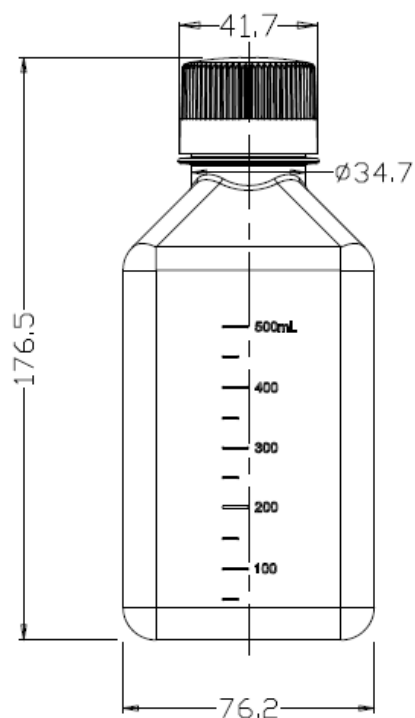
Standards	Size					
	D1	D2	D3	H1	H2	H3
30mL (PETG/PC)	24.08	17.60	38.00	15.39	63.07	25.10
60mL (PET/PETG/PC)	28.00	21.50	40.00	15.27	82.84	43.30
125mL (PET/PETG/PC)	41.70	34.70	52.40	28.98	106.31	53.20
250mL (PET/PETG/PC)	41.70	34.70	58.60	28.98	144.31	83.80
500mL (PET/PETG/PC)	41.70	34.70	73.00	28.98	177.31	106.80
1000mL (PET/PETG/PC)	41.70	34.70	92.00	28.98	218.31	132.90

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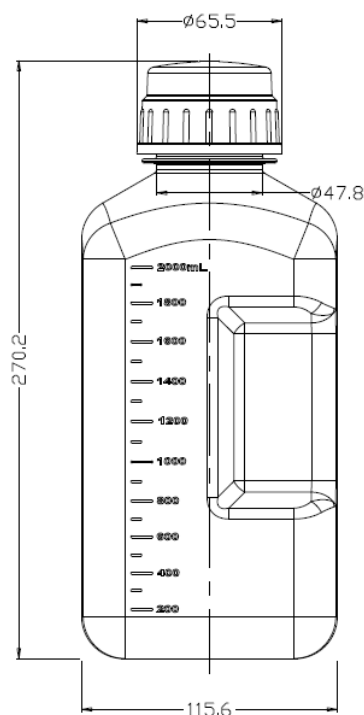
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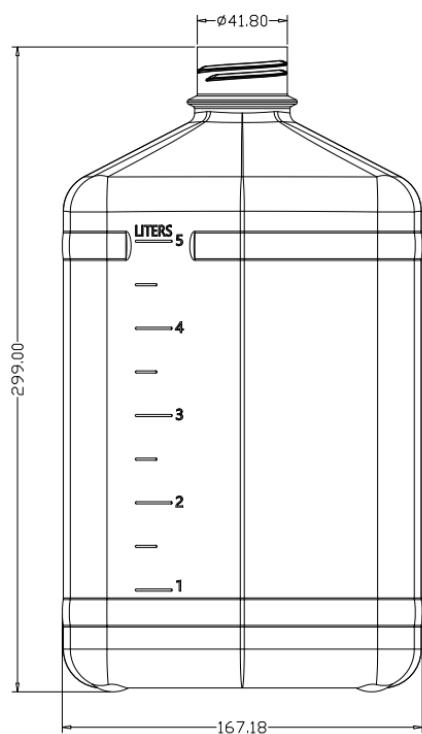
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500 mL (square-shouldered model)



2 L



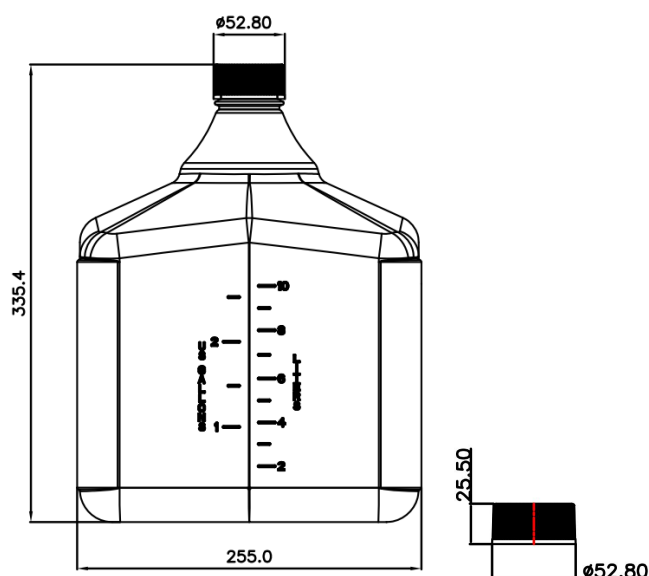
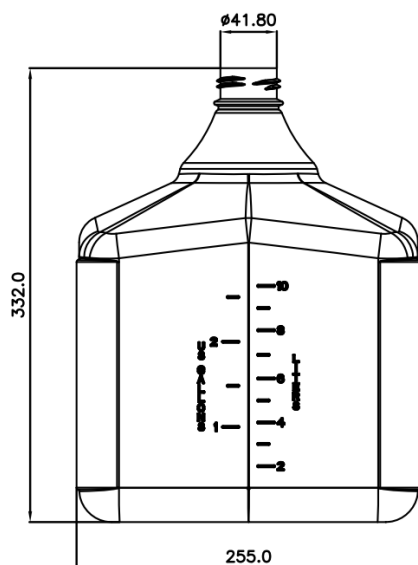
5 L

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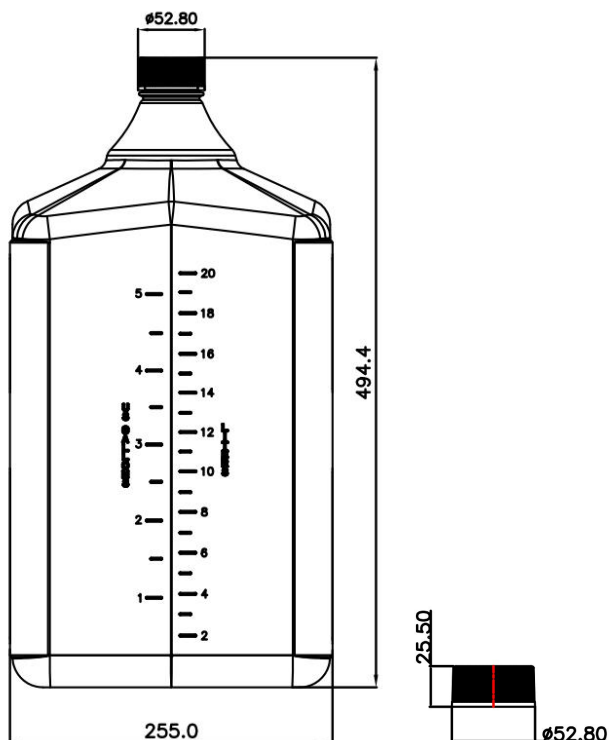
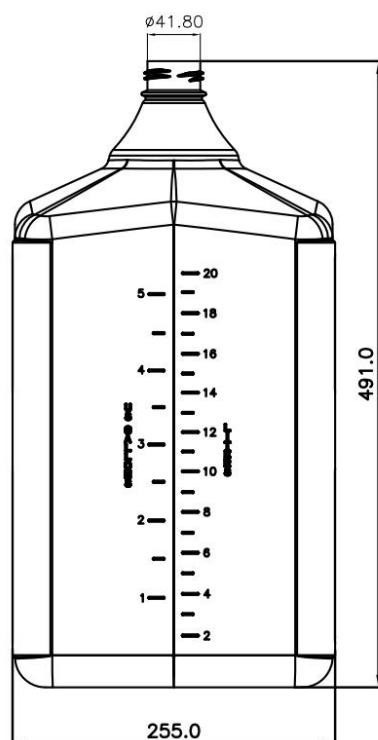
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10 L



20 L

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