

DATA SHEET

CDE: B20230001072 DMF: NO.40922

AccureVial® COP Vials



Basic Parameters	Specification Table
Product Name	NEST COP Prefillable Vials
Dimensions	2mL:(OD 16mm, H 35mm); 5mL:(OD 22mm, H 40mm); 10mL:(OD 24mm, H 45mm); 20mL:(OD 30mm, H 55mm)
Product Weight	2mL(2.6g); 5mL(4.7g); 10mL(5.6g); 20mL(8.7g)
Sterilization	EO Sterilization, Ready-to-use
Temperature Resistance	-196℃~121℃
Protein Adsorption	Very Low
Gas Permeability(O ₂ ,N ₂ ,CO ₂)	Low
Water Vapor Permeability	Low
Particle Shedding	None
pH Changes in the Drug	Stable (Almost No Change)
Strength	Good Toughness, Resistant to Damage

Testing Items	Testing Overview
Biocompatibility Test	Biocompatibility testing (systemic toxicity, skin sensitization, pyrogenicity, etc.) conducted according to the relevant test methods of YBB.
Chemical Leaching Test	Chemical leaching tests conducted according to the relevant standards of USP <1663>, <1664>, <665>, and <1665>.
Low-Temperature Resistance Test	Repeated freeze-thaw cycles 3 times at -80°C and -196°C (liquid nitrogen vapor), followed by vacuum sealing test.
High-Temperature Resistance Test	High-temperature, high-pressure sterilization at 121°C, followed by vacuum sealing test.
Self-Stability Report	After accelerated aging, tested for sealing, insoluble particles, sterility, and endotoxin performance.

Component Name	Material
Bottle Body	COP

Accessory Name	Material
Rubber Stopper	Butyl Bromide
Aluminum Cap	Aluminum

Product Range

Cat. No. (CN)	Cat. No. (EN)	Product Description	Vial Orientation	Product Packaging
207211	207212	2 mL, Rack Package, Sterile	Upward	100 pcs/rack, 15 racks/case, 1500 pcs/case
207011	207012	5 mL, Rack Package, Sterile	Upward	48 pcs/rack, 15 racks/case, 720 pcs/case
207111	207112	10 mL, Rack Package, Sterile	Upward	48 pcs/rack, 15 racks/case, 720 pcs/case
207311	207312	20 mL, Rack Package, Sterile	Upward	24 pcs/rack, 15 racks/case, 360 pcs/case
207271	207272	2 mL, Tray Package, Sterile	Upward	228 pcs/tray, 10 trays/case, 2280 pcs/case
207071	207072	5 mL, Tray Package, Sterile	Upward	96 pcs/tray, 10 trays/case, 960 pcs/case
207171	207172	10 mL, Tray Package, Sterile	Upward	96 pcs/tray, 10 trays/case, 960 pcs/case
207281	207282	2 mL, Tray Package, Sterile	Downward	228 pcs/tray, 10 trays/case, 2280 pcs/case
207081	207082	5 mL, Tray Package, Sterile	Downward	96 pcs/tray, 10 trays/case, 960 pcs/case
207181	207182	10 mL, Tray Package, Sterile	Downward	96 pcs/tray, 10 trays/case, 960 pcs/case

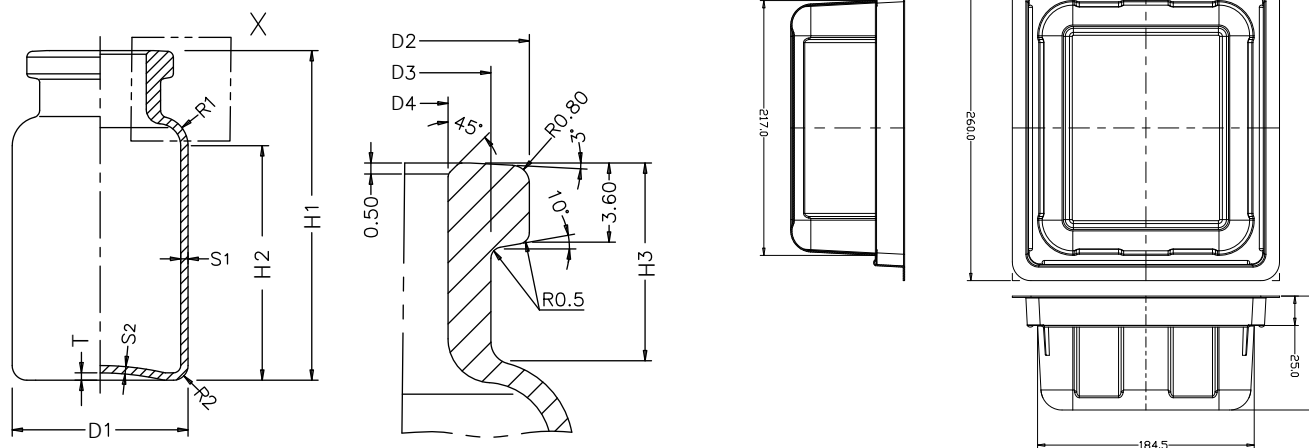
Accessory

Cat. No. (EN)	Product Description	Product Packaging (Bag Package)
207232	Rubber Stopper(2mL), 13 mm, Halogenated Butyl, FEP-coated, Non - bifurcating, Sterile	8000 pcs/pack, 8000 pcs/case
207292	Rubber Stopper(2mL), 13 mm, Halogenated Butyl, ETFE-coated, Double-vented, Sterile	2000 pcs/pack, 2000 pcs/case
207252	Rubber Stopper(2mL), 13 mm, Halogenated Butyl, Uncoated, Non-bifurcating, Sterile	8000 pcs/pack, 8000 pcs/case
207262	Rubber Stopper(2mL), 13 mm, Halogenated Butyl, Uncoated, Double-vented, Sterile	7500 pcs/pack, 7500 pcs/case
207222	Aluminum - plastic cover (2mL), 13 mm, Natural color	4000 pcs/pack, 4000 pcs/case
207032	Rubber Stopper(5mL, 10mL, 20mL), 20 mm, Halogenated Butyl, FEP-coated, Non - bifurcating, Sterile	2500 pcs/pack, 2500 pcs/case
207092	Rubber Stopper(5mL, 10mL, 20mL), 20 mm, Halogenated Butyl, ETFE-coated, Double-vented, Sterile	2000 pcs/pack, 2000 pcs/case
207052	Rubber Stopper(5mL, 10mL, 20mL), 20 mm, Halogenated Butyl, Uncoated, Non-bifurcating, Sterile	2500 pcs/pack, 2500 pcs/case
207062	Rubber Stopper(5mL, 10mL, 20mL), 20 mm, Halogenated Butyl, Uncoated, Double-vented, Sterile	2000 pcs/pack, 2000 pcs/case
207042	Aluminum - plastic cover(5mL, 10mL, 20mL), 20 mm, Natural color	2000 pcs/pack, 2000 pcs/case

Packaging	Specification Table	Picture
Packaging Method	Nested Packaging (Without Accessory)	
Packaging Quantity	2mL(100 pcs/pack, 15 packs/case); 6mL, 10mL(48 pcs/pack, 15 packs/case); 20mL(24 pcs/pack, 15 packs/case)	
Packaging Dimensions	260mm * 227.5mm * 97mm	

Packaging Method	Tray Package (Without Accessory)	Picture
Packaging Quantity	2mL(228 pcs/tray, 10 trays/case); 5mL, 10mL(96 pcs/tray, 10 trays/case)	
Packaging Dimensions	379mm*221mm*49.5mm	

Technical Drawing



Size	Equivalent Glass Specifications	Overflow Capacity	D1	D2	D3 (MAX)	D4	H1	H2 (min)	H3	R1	R2	S1	S2 (min)	T (max)
2 mL	2R	4 mL	16.0	13.0	10.5	7.0	35.0	22.0	8.0	2.5	1.5	1.0	0.6	0.7
6 mL	6R	10 mL	22.0	20.0	16.5	12.6	40.0	26.0	8.5	3.5	2.0	1.0	0.7	0.7
10 mL	10R	13.5 mL	24.0	20.0	16.5	12.6	45.0	30.0	9.0	4.0	2.0	1.0	0.7	0.7
20 mL	20R	26 mL	30.0	20.0	17.5	12.6	50.0	35.0	10.0	5.5	2.5	1.2	0.7	1.0