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Data Sheet

Ondalis single-use cell culture bags



Description

Single-use cell culture bags are designed for applications such as cell therapy, antibiotic production, and vaccine amplification. With a simple design, these bags are easy to use, and can be applied with Ondalis reactors for stable and rapid cell expansion.

The system also supports fed-batch culture or perfusion culture modes, thereby meeting the demands for high cell density and increased yield in cell culture. The single-use cell culture bag facilitates cell expansion and is widely used for culturing CHO cells, HEK293 cells, and immune cells.

Equipment specifications	2L	5L	10L	20L	50L
Working capacity	0.2–1L	0.5–2.5L	1–5L	2–10L	5–35L
Basic model	●	●	●	●	●
With pH/DO	○	○	○	○	○
With perfusion film	○	○	○	○	○

● = The default option is the basic model
○ = The choice between pH/DO fiberglass bags and perfusion bags should be selected based on the customer's process requirements

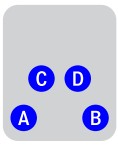
Product data	2L	5L	10L	20L	50L
Specifications	Can be customized to suit various specifications				
Operating temperature	-80 °C (minimum) to +60 °C				
Sterilization	Gamma irradiation (25–40 kGy)				
Packaging	Double-layered PE bag, vacuum packed				
Structure	LDPE/EVOH/ULDPE (liquid contact layer)				
Thickness	0.325 mm				

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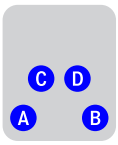
Product data (continued)	2L	5L	10L	20L	50L
Compliance	ISO 10993-4: Hemolysis test				
	ISO 10993-5: Cytotoxicity				
	ISO 10993-6: Implantation test				
	ISO 10993-10: Irritation and sensitization tests				
	ISO 10993-11: Acute systemic toxicity test				
	USP<85>: Bacterial endotoxins-LAL test				
	USP<88>: Biological reactivity testing, in vivo, class VI				
	USP<661>: Plastic containers				
	European Pharmacopoeia tests: Ch.3.1.5				
	ADCF: Animal-derived component free				

Single-use cell culture bags (Basic model)

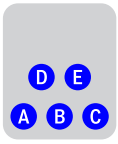
2L

Product No.	WV-002A1	Culture bag schematic
Tube A	1/4" × 7/16" C-Flex tube, female Ruhr connector	
Tube B	3/16" × 3/8" in silicone tube, needle-free sampling	
Tube C	Air inlet filter	
Tube D	Air outlet filter, check valve	

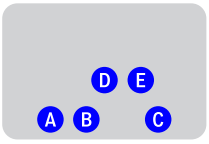
5L

Product No.	WV-005A1	Culture bag schematic
Tube A	1/4" × 7/16" C-Flex tube, female Ruhr connector	
Tube B	3/16" × 3/8" in silicone tube, needle-free sampling	
Tube C	Air inlet filter	
Tube D	Air outlet filter, check valve	

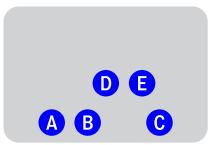
10L

Product No.	WV-010A1	Culture bag schematic
Tube A	1/4" × 7/16" C-Flex tube, female MPC	
Tube B	1/8" × 1/4" C-Flex tube, female Ruhr connector	
Tube C	3/16" × 3/8" in silicone tube, needle-free sampling	
Tube D	Air inlet filter	
Tube E	Air outlet filter, check valve	

20L

Product No.	WV-020A1	Culture bag schematic
Tube A	1/4" × 7/16" C-Flex tube, female MPC	
Tube B	1/8" × 1/4" C-Flex tube, female Ruhr connector	
Tube C	3/16" × 3/8" in silicone tube, needle-free sampling	
Tube D	Air inlet filter	
Tube E	Air outlet filter, check valve	

50L

Product No.	WV-050A1	Culture bag schematic
Tube A	1/4" × 7/16" C-Flex tube, female MPC	
Tube B	1/8" × 1/4" C-Flex tube, female Ruhr connector	
Tube C	3/16" × 3/8" in silicone tube, needle-free sampling	
Tube D	Air inlet filter	
Tube E	Air outlet filter, check valve	