



ZACROS

Bio Science

BioPhas[®]

Single-use bag for biopharmaceuticals.

Raw Materials

Process Bag[™]

Single-use bag for the manufacture of biopharmaceuticals.



PB

Culture

CULTURE BAG[®] - CELL

Single-use bag for suspension cultures of insect and mammalian cells.



CBC

Purification

Process Bag[™]

Single-use bag for the manufacture of biopharmaceuticals.



PB

Storage

Formulation

Assembly Service

Tube assemblies for connecting our single-use bags to other instruments.



A single-use system for the manufacture of biopharmaceuticals.

The BioPhaS[®] System- Offering higher quality and higher safety with convenient, single-use bags.

Support- Speedy communication and reliable supply.

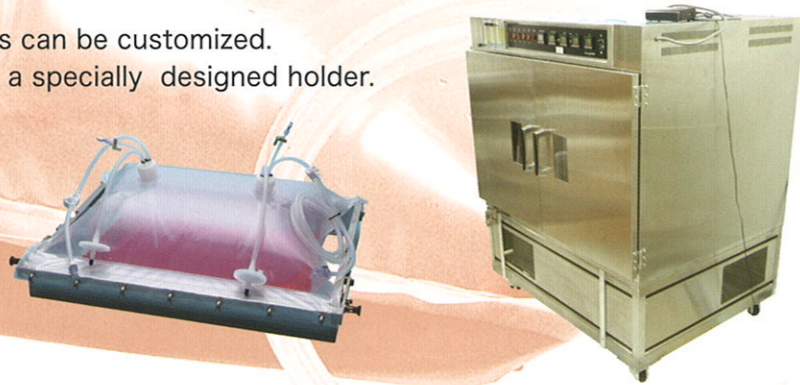
Flexibility- Customized to meet your needs.

CBC CULTURE BAG[®]-CELL

Single-use bag for suspension culture of insect and mammalian cells.



- For cell suspension cultures to develop medicinal antibodies and vaccines.
- Cell cultures yield a high survival rate.
- Features such as size and number of ports can be customized.
- Can be used with conventional shakers via a specially designed holder.



Standard Specifications

Product	Culture Volume	Bag Size(mm)	Inner Film	Sterilization	Qty./Case
CBC5-1	0.5-2.5L	325x358	PE	Gamma irradiation	5 units/case
CBC10-1	1-5L	425x458	PE	Gamma irradiation	5 units/case
CBC20-1	2-10L	420x700	PE	Gamma irradiation	5 units/case

Standard specifications are for the above products only. Please contact us regarding custom sizes.

PB Process Bag[™]

Single-use bag for the manufacture of biopharmaceuticals.



Interim storage during processing steps such as separation, filtration, purification, and filtration.



Container for medium and buffer preparation.

- The inner layer is specially designed to dramatically decrease leachables and extractables from the film.
- Conforms to USP, EP, JP, and other tests.
- Features such as bag size, number of ports, and tube length can be customized.
- Outer container is available in plastic or stainless steel.

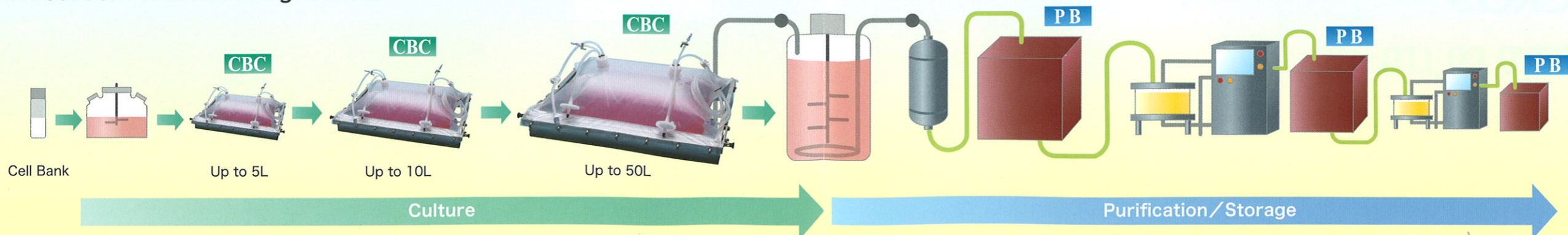


Standard Specifications

Product	PB-50	PB-100	PB-200	PB-500	PB-1000
Capacity (L)	50	100	200	500	1000
Bag Size(mm) WxDxH	500x500x200	500x500x400	1000x1000x200	1000x1000x500	1000x1000x1000
Outer-Container Size WxDxH(mm)	604x603x752			1140x1146x1152	

Bag sizes range from 50 to 1000L, with two container sizes as shown above. For other sizes and configurations, please contact us.

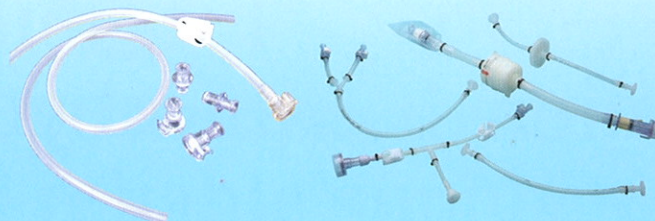
Biopharmaceutical Manufacturing Process



AS

Assembly Service

We can custom design and assemble bags with tubes, connectors, and filters for connecting to other instruments and equipment, based on your specific needs.



Manufacturing Environment

Managed under GMP philosophies.

Our single-use CULTURE BAG® -CELL and Process Bag™ bags are manufactured under a high-clean environment in a factory that exclusively manufactures pharmaceutical and medical packaging materials.

Environment	Managed under GMP philosophies and Grade C (Clean Class 10,000) environments
Sterilization	>25 kGy gamma irradiation



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