

# PermaLife™ Cell Culture Bags

**Cell Culture and Cell Expansion**  
**Cord Blood Banking**  
**Genetic Engineering**  
**Vector Production**  
**Cryopreservation**



## Advantages of the OriGen PermaLife™ Cell Culture Bags

The OriGen PermaLife™ Cell Culture bags represent the optimal way to harvest, expand, concentrate, and freeze critical cell cultures. Made of inert FEP, the PermaLife™ bag contains no plasticizers or chemical residuals which could leach into and alter delicate cell cultures. Because FEP is inert, antibodies, cytokines, and other genetic material are unaffected by the PermaLife™ bag.

PermaLife™ FEP bags are a closed system, so the possibility of contamination is greatly reduced. Bags are sold sterile. PermaLife™ bags are gas permeable, and provide a high rate of oxygen transfer to cells under culture. Additionally, water permeability is very low, so water loss is negligible and humidified incubators are not required.

The PermaLife™ bag has an optical transmission of greater than 95%. Observation of the cultures under a microscope is possible without risking contamination of the culture.

It is also ideal for cryogenic preservation. The PermaLife™ bag remains flexible from -200°C to +200°C. There is no significant decrease in mechanical strength at temperatures from cryogenic storage (-196°C) to high autoclave (+137°C).

Swabbable, needle-free valves are provided on every bag to preserve sterile access and reduce the chance of needle sticks. PermaLife™ bags are sold with one female luer and one needle-free valve. The PL07 only has one port and is sold with one needle-free valve. PermaLife™ Catalog numbers including a "P" suffix are sold with a needle-free valve and a PVC spike port.

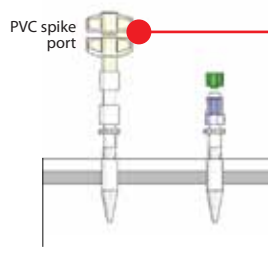
# PermaLife

## Cell Culture Bags

### Technical Information

Catalog Number	Volume* Nominal	Volume Maximum	Width (cm)	Length (cm)	Surface Area, cm <sup>2</sup>	O <sub>2</sub> ‡	CO <sub>2</sub> ‡	N <sub>2</sub> ‡	H <sub>2</sub> O**	Stock/ Custom
PL 07	7	12	3	6.3	38	44	98	19	0.03	Stock
PL 30	30	50	8.9	6.1	108	126	281	54	0.08	Stock
PL 70	70	145	8.9	9.7	172	199	444	86	0.12	Stock
PL 120	120	265	8.9	14	248	288	643	124	0.17	Stock
PL 240	240	725	14	19.3	540	627	1400	270	0.38	Stock
PL 300	300	1000	14	23.37	654	759	1695	327	0.46	Custom
PL 325	325	1100	14	25.9	725	842	1879	363	0.51	Stock
PL 500P	500	1500	29.21	18	1052	1220	2724	526	0.74	Custom
PL 750	750	1500	29.21	26.5	1548	1796	4010	774	1.08	Custom
PL 1000P	1000	3000	29.21	35	2045	2372	5296	1022	1.43	Custom
PL 2000P	2000	3000	47	45	4230	4907	10956	2115	2.96	Custom

### Table Legend:



"P" in the catalog number denotes it includes a PVC spike port.

Length & Width of active culture compartment only.

\* Nominal Volume at 1cm fill thickness, volume in ml

‡ Gas transfer is in ml/ 24 hours @ 25°C, calculated for each bag.

\*\* ml/ 24 hours @ 40°C

### Custom Configurations

Custom configurations, labels, different connectors and cap materials, multi-port connections, tube sets and more are all available. Let us know your needs.

Minimum quantities may apply.

### Ordering Information:

Sterile, for single use only. Packed and sold individually. To order, contact the office nearest you.

# OriGen

BIOMEDICAL

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