

CELL-tainer® A VERSATILE TOOL FOR BIOPROCESSING

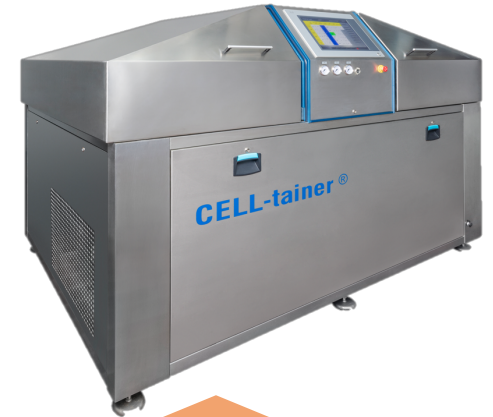
Whether you are developing products with microbial organisms, adherent cells or breaking new ground with plant or mammalian cells, fungi or microalgae, the CELL-tainer® will meet your research or production requirements.

Our patented movement system offers a scalable alternative to shake flasks, with accurate temperature management and a pH plus dissolved oxygen controlled environment. Less handling / no risk for infections.

The CELL-tainer® is designed to enable scaling in one bag. The *Utility* platform handles volumes from 150ml to 17L working volume without changing bags.



**SINGLE-USE
SYSTEMS FROM
BENCHTOP TO
INDUSTRIAL
SCALE**



BOTHOEKWEG 9
7115AK WINTERSWIJK
THE NETHERLANDS
+31 (0)6 2396 1233
WWW.CELLTAINER.COM
INFO@CELLTAINER.COM


Cell tainer
BIOTECH BV

PRODUCT DEVELOPMENT

The *Discovery* platform is a versatile tool set that allows multiple formats for your discovery program. The system allows individual pH and dissolved oxygen control for two bags and precise temperature control for both bags.

Any combination of two bags of 1L or 2L may be used or, alternatively a single 4L bag. A combination of three gases may be used with high-precision mass flow control.

The *Discovery* device is ideal for lab work or scale out of small volume applications.

FOLLOW THE TREND FROM MULTIPLE SHAKE FLASKS TO A CELLTAINER

Many companies have replaced shake flasks with a CELL-tainer[®] whether for discovery work in the lab or seed train in production.

Some examples are:

- GSK
- Johnson and Johnson
- Merck

SEEDING

The *Utility* platform is used by many of our customers for seeding large scale cultures. This is particularly true for microbial and fungal applications but also offers advantages in cell culture with the ability of scaling up from 150ml to 17L in one bag, there is less handling and less risk of contamination with an improved control of the environment.

The CELL-tainer[®] offers high mass transfer rates comparable to traditional stirred fermenters due to its unique patented movement and large contact surface.

Single-use bags used for culture avoid equipment cleaning or down-time. The bags are delivered gamma-sterile, equipped with disposable sensors for pH and oxygen. Temperature is managed within the system itself and is equipped for fast cooling

PRODUCTION

The *Custom-Pro* platform is based on our standard technology and solutions for production are available for volumes between 50L and 500L.

