An Innovative Spheroid Culture Tool

WELLBAG



Closed system

A large number of uniform size Spheroids

For the Research and Development, Manufacturing of Cell Therapeutics

Easy recovery of spheroids

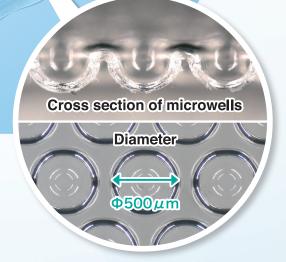


Culturing a large number of uniform size spheroids in a sterile enclosed environment

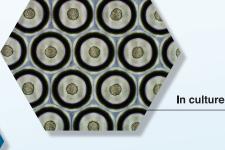
Reduce contamination risk by the closed bag system

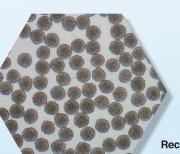
 Φ 500 μ m×18,000wells

On the bottom surface of the bag, a large number of microwells are processed which are treated with the low-cell-adhesive substance



A large number of uniform size spheroids are cultured





300 250 200 150 151.0±9.5 Diameter (µm)

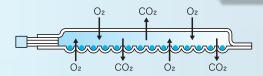
High uniformity of spheroids

18,000 of uniform size spheroids are cultured simultaneously

Recovered spheroids

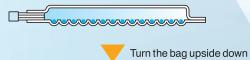
Provision of suitable spheroid culture condition

Efficient gas exchange using high gas permeable film



The well-gas-permeable film enables the supply of oxygen to cells and the discharge of carbon-dioxide accumulated in the bag

Easy and quick recovery of spheroids without pipetting





Recovered with no damage

Cytotoxicity test	Confirmed
Leachable test	Confirmed
Endotoxin test	Confirmed
Sterility	Radiation Sterilization

The high safety levels required for the cell culture bag is achieved Spheroids are collected smoothly without any left trapped in the wells

High safety levels are based on **Pharmacopoeia** of Japan





Applicable to various cell culture situations

Ease of usage with

a bag holder

Observation of cells

Setting a bag in a holder

The presence of a holder prevents spheroids movement between wells when carrying the bag around

6

Larger size of WELLBAG is under development

Regular Bag : 50 cm² Large Size : 1,000 cm²

650 thousands of spheroids can be formed in uniform size

The state of cell culture by WELLBAGs using holders

Bubbles in the bag are removed easily by the incubation

Can be used in a CO2 incubator

Note : The use of WELLBAG to insulin-producing cells including pancreatic precursor

cells may be restricted depending on the intended use. So, please contact the manufacturer or a distributor in advance for this use.



Toyo Seikan Group Holdings, Ltd.

Business Management Group, Business Innovation Office 2-18-1 Higashi-Gotanda, Shinagawa-ku, Tokyo, Japan Tel:+81-3-4514-2305 Fax:+81-3-3280-8121 (MAIL)bis_innov_wellbag@tskg-hd.com (URL)www.tskg-hd.com

Dealer: