

BRAND Insert 2in1

Genuine innovation for cell culture



Use in a hanging or
standing position

For 24-, 12- and 6-well
plates or culture dishes

Achieve uniform and
controlled cell growth



BRAND. For lab. For life.



BRAND Insert 2in1*

Unlimited flexibility

Flexible

Take advantage of a combined free-standing and hanging insert with the BRAND Insert 2in1.

When used as a hanging insert, it fits nearly all standard multiwell plates. In larger wells and culture dishes, the insert can be used in a standing position.

Functional

The cellGrade™ plus surface of the membranes ensures optimal cell attachment and growth. Highly transparent membranes (PET) enable detailed observation of cell cultures under an optical microscope, while membranes with high pore density (PC) provide high permeability.

Easy to use and efficient

Innovative packaging enables efficient use and reduces waste.

* patent pending



Overview

- Suitable for 2D and 3D cell cultures
- Surface: cellGrade™ plus
- PC or PET membrane
- Pore sizes: 0.4 µm and 8.0 µm
- Can be used with all common 6-, 12- or 24-well multiwell plates

A closer look

Insert 2in1

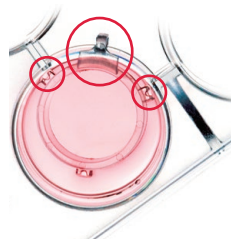
Fits standard multiwell plates

Membranes

USP class VI tested with cellGrade™ plus functional surfaces

Three point mounting

Hook and adjacent feet ensure precise positioning parallel to the well bottom.



Feet

For standing use; ensures ~ 1 mm gap between membrane and bottom of the dish or well.



Removable hook

The hook can be easily removed for standing use

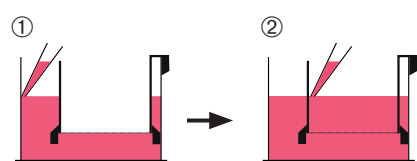


Applications

The BRAND Insert 2in1 can be used as both a standing insert and a hanging insert.

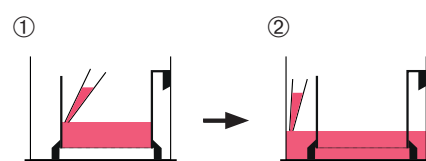
Hanging

If you use the Insert 2in1 as a hanging insert, first add the medium to the multiwell plates and hang the insert inside the wells (make sure the medium comes into contact with the membrane). Then fill the insert with medium.



Standing

If you would like to use the Insert 2in1 as a standing insert, place the insert into the provided multiwell plate or culture dish. Add the medium to the insert and then into the well or the culture dish.

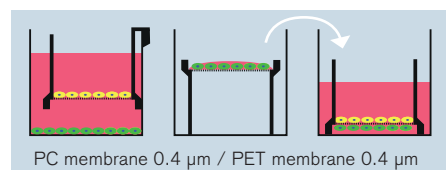


BRAND Insert 2in1 working volume and culture area

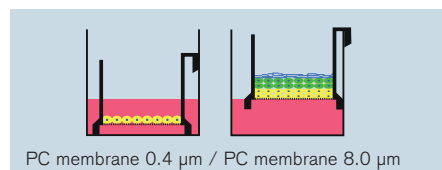
Well	Working volume	Culture area
24-well	150 - 400 μ l	0.6 cm ²
12-well	300 - 1000 μ l	1.38 cm ²
6-well	800 - 3000 μ l	4.83 cm ²

Common applications

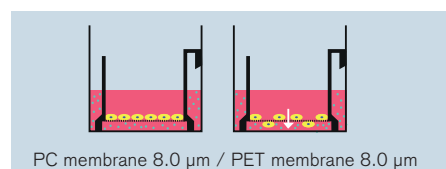
Co-culture



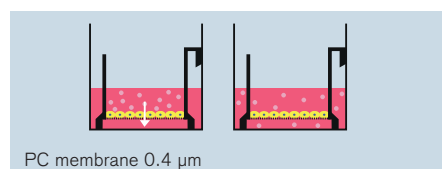
Air-lift culture in multiwell plate



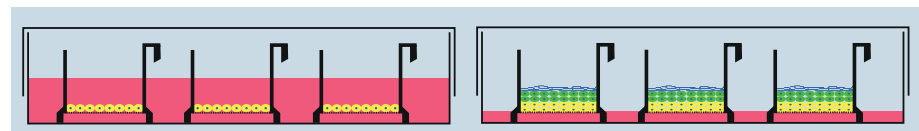
Transmigration, chemotaxis



Transport/barrier analysis (TEER measurement), cytotoxicity



Air-lift culture in culture dish



Highest quality standards:

- Manufactured in a Class 8 cleanroom, in accordance with ISO 14644-1
- Insert made of medical grade polystyrene
- Sterile according to ISO 11137, Sterility Assurance Level SAL 10⁻⁶
- Non-cytotoxic according to ISO 10993-5
- Free of pyrogen and endotoxins, according to LAL test, detection limit 0.01 EU/ml

Properties of track-etched membrane

PET membrane

Extremely thin and stable membrane with defined pore sizes and pore density, which can easily be further processed after separation from the insert housing. Compatible with the most common fixation and staining protocols*.

PC membrane

Ultra-thin membrane with low autofluorescence, also usable without additional layer, provides optimal support for proliferation and differentiation. Compatible with the most common fixation and staining protocols*.

* Organic solutions that can corrode PS should not be used directly in the insert for the fixation and staining of cultures

BRAND Insert 2in1 membrane properties

Membrane	Pore size	Pore density	Optic
PC membrane	0.4 μ m	1 x 10 ⁸ cm ²	translucent
	8.0 μ m	1 x 10 ⁵ cm ²	translucent
PET membrane	0.4 μ m	2 x 10 ⁶ cm ²	transparent
	8.0 μ m	1 x 10 ⁵ cm ²	translucent

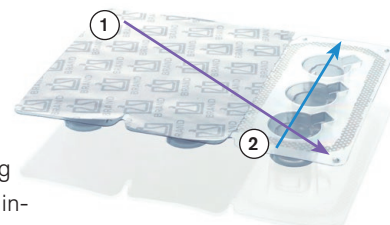
Innovative packaging

The BRAND cell culture Insert 2in1 is available for 6-, 12- and 24-well plates and in two pore sizes (0.4 µm and 8.0 µm) with PC membrane or PET membrane. They are available individually packed or in multi-packs.



**Multi-pack – easy handling,
two ways to open:**

- ① To open the entire blister simply tear off the sealing paper diagonally (purple arrow).
- ② A perforation in the sealing paper also allows to open individual rows, while the other inserts remain securely sealed (blue arrow).



Ordering information

BRAND Inserts 2in1

Cell culture inserts for 24-, 12- and 6-well plates

PS. cellGrade™ plus surface, sterile, PC and PET membrane.

Well	Pore size µm	Diameter mm	Pack of	PC membrane Cat. No.	PET membrane Cat. No.
24-well	0.4	8.8	48, single blister	7827 00	7827 10
	0.4	8.8	48, multi-pack blister	7827 01	7827 11
	8.0	8.8	48, single blister	7827 06	7827 16
	8.0	8.8	48, multi-pack blister	7827 07	7827 17
12-well	0.4	13.3	48, single blister	7827 20	7827 30
	0.4	13.3	36, multi-pack blister	7827 21	7827 31
	8.0	13.3	48, single blister	7827 26	7827 36
	8.0	13.3	36, multi-pack blister	7827 27	7828 37
6-well	0.4	24.8	24, single blister	7827 40	7827 50
	0.4	24.8	24, multi-pack blister	7827 41	7827 51
	8.0	24.8	24, single blister	7827 46	7827 56
	8.0	24.8	24, multi-pack blister	7827 47	7827 57



Find more information at www.brand.de

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