

flexiPERM



flexiPERM - Reusable Cell Culture Chamber

Advantages

- Reusable
- Highly adhesive
- For standard microscope slides and petri dishes
- Non-cytotoxic
- Slides to all smooth surfaces without glue
- Creates multiple growth areas

Applications

- Nerve cells
- Endothelial cells
- Tumour cells
- Toxicity tests
- Co-cultivation
- Transfection studies
- Parallel testing

flexiPERM - The flexible cell culture chamber

flexiPERM, a reusable cell culture insert made of silicone, can be combined with standard microscope slides (26 x 76 mm) and petri dishes, creating multiple cell culture chambers. flexiPERM is heat and cold resistant, hydrophobic and non-toxic to cells. Because of its highly adhesive underside, it sticks to all smooth surfaces, e.g. glass, plastic and foil.

flexiPERM slide / flexiPERM micro12

flexiPERM slide with 8 and flexiPERM micro12 with 12 subdivisions, are perfect for parallel cell culture studies on DIN standard microscope slides (Fig. 1). After removing the flexiPERM, hydrophobicity remains in the zones surrounding each of the culture areas. Individual staining of the different culture areas on one slide is therefore easier to perform.



Figure 1

flexiPERM disc

flexiPERM disc splits every 50 mm diameter petri dish (e.g. lumox™ dish 50 with a gas-permeable base), into four separate cell culture chambers (Fig. 2). In addition to parallel studies with one culture, flexiPERM can also be used for co-culture and transfection studies.



Figure 2

flexiPERM conA and conB

The flexiPERM conA and conB have been specially developed for animal and plant physiology applications. Due to the cone shaped form, cells grown on microscope slides in flexiPERM conA and conB are suitable for applications in the field of micro-manipulation. Cell growth can be examined under microscope and inter- and intracellular changes can be quantified.

Cat.No.	9003 2039	9001 1436	9003 4067	9607 7434	9607 7435
Description	flexiPERM slide	flexiPERM micro12	flexiPERM disc	flexiPERM conA	flexiPERM conB
No. chambers	8	12	4	1	1
Volume per chamber [ml]	0.88	0.35	1.6	2.7	4.6
ø per chamber [mm]	11 x 8	5	15	12	20
Height [mm]	9	9	9	8	8
Growth area [cm ²]	0.9	0.2	1.8	1.0	3.1
Material	silicone	silicone	silicone	silicone	silicone
Reusable	+	+	+	+	+
Quantity per case	5	5	5	5	5