**CO₂-COVER KM SET**

**CELL CULTIVATION & MICROMANIPULATION**

The innovative, exchangeable CO₂-Cover KM Set provides for a constant gassing of cell cultures with CO₂ and/or N₂ and creates a relative air humidity of approx. 90% inside the small incubator interior. The cover has been purpose-built for the application together with the **Universal Mounting Frame KM** and is suited for various cell culture vessels, e.g. “35” and “60” Petri dishes, POC-Systems, object slides and chamber slides of different brands in combination with PeCon’s **Click-In System**. The two sliding inserts permit an individual usage according to requirements.

**CO₂-Cover with two sliding inserts for the cultivation & micro-manipulation of cells in combination with Universal Mounting Frame KM.**

**APPLICABLE WITH**

- Universal Mounting Frame KM # 010-800 486
- CO₂-Cover KM Set # 150-800 501
- Insert plate for “35” Petri dishes

**THE BENEFITS AT A GLANCE:**
- Complete incubation solution in combination with a large heated chamber incubator.
- Relative humidity of approx. 90% under the CO₂-Cover.
- Fits to the **Universal Mounting Frame KM** and various insert plates of the **Click-In System Premium**.
- Exchange of the cell culture vessel is possible without the effort of taking off the CO₂-Cover.
- Very smooth-running glass covers.
- Optimal for micromanipulation and the pipetting of fluids.
- The CO₂-Cover consists of black PMMA and is supplied as a set, comprising two variants of sliding inserts.
- The glass of the sliding inserts and slidable glass plates also permits an observation with special microscopy techniques, e.g. DIC.
- The feeding of gas mixtures can be operated with PeCon’s gassing control units.

**PECON - SYSTEMS FOR CELL CULTURE AND MICROSCOPY**

**VARIANT 1**
- Sliding insert with fixed glass
- Can be opened completely

**VARIANT 2**
- Sliding insert with slidable glass plates for micromanipulation & pipetting
- Can be opened completely

*“35” + “60” Petri dishes, POC-systems, object slides + chamber slides
APPLICATION EXAMPLES CO₂-COVER KM SET

VARIANT 1

CLOSED SLIDING INSERT
OPENED SLIDING INSERT

VARIANT 2

CLOSED SLIDING INSERT
OPENED SLIDING INSERT
OPENED GLASS PLATES

The CO₂-Cover KM Set is supplied with both cover variants. Variant 1 has a fixed glass plate and can be slid open completely for an exchange of cell culture vessels. Variant 2 features two slidable glass plates and can be slid open completely just as the cover of variant 2. It is suited in particular for micromanipulation and the pipetting of fluids in general. Both cover variants are very smooth-running. The CO₂-Cover KM Set is available as a set including both cover variants.

SUITABLE INSERT PLATES OF THE CLICK-IN SYSTEM PREMIUM:

- #000440 “35” Petri dishes (Ø 30 - 40 mm)
- #000415 “60” Petri dishes (Ø 47 - 56 mm)
- #000442 POC-R2 & POCmini-2 by PeCon
- #000470 object slides and chamber slides of different brands