ALS
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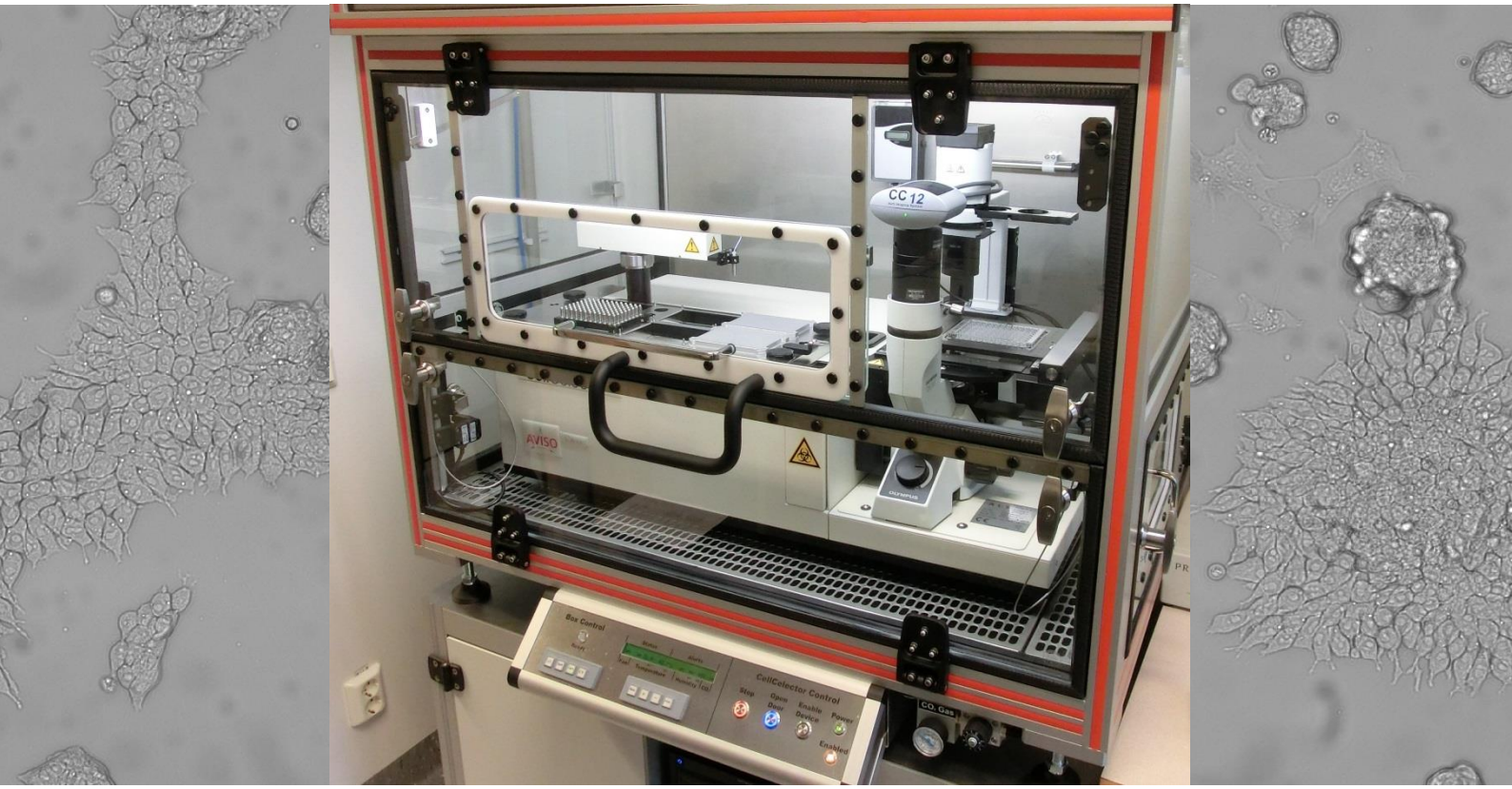
Time for Science



CellCelector™ Laminar Flow Cabinet for

Working with primary cells and tissue

Flexible & long-term analysis of cells and colonies

Experiments under physiological & sterile conditions

CellCelector is protected by US patent 9,822,331 B2

Rev. 02 / 24.09.2018

Technical Specifications

Stable and light frame

- WxDxH 1.10m x 0.85m x 2.30m
- Weight: 175 kg / 385 lb
- **Cell**Celector is placed inside
- Height with floor cupboard 2.30 m / 7.5 ft
- Rolls allow for flexible placing in the lab

Filter system

- Filter HEPA H14 (0.1 – 0.3 µm)
- A constant air stream is surrounding the **Cell**Celector with a stream of 0.5 m/sec
- Outgoing air is filtered to avoid room contamination

Adjustable temperature up to 40°C

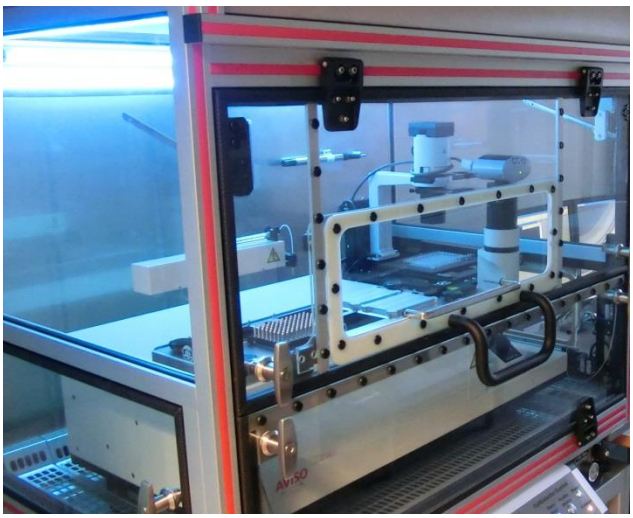
- Individual setting in the control panel
- Temperature control permanently regulates to maintain the set temperature

High CO_2 atmosphere (5%)

- The CO_2 gas flow is permanently regulated and hold constantly at the set level

High humidity atmosphere up to 75%

- The humidity level can be set by the operator on the control panel



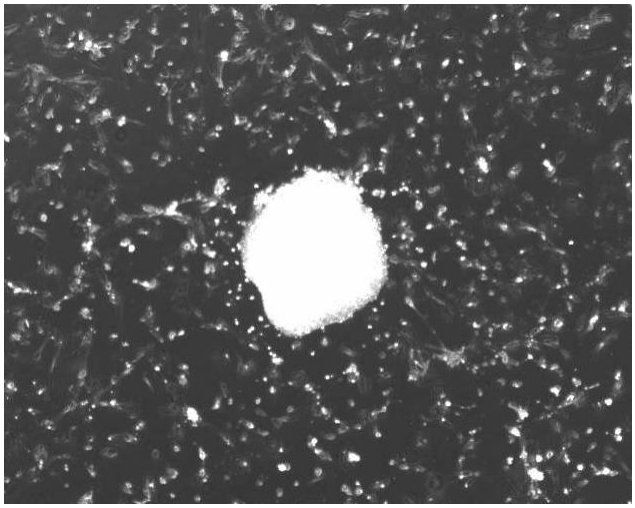
UV-C Illumination

- Provides sterile surfaces
- Four high energy UV-C lamps 4 x 15 W

Security management system

- Access doors on each side
- Security management system stops all mechanical activity inside the Flow box once user intervention is necessary

Physiological Conditions for Cell Handling



High CO_2-atmosphere and constant high temperature (37°C) allows for cell selection, analysis and maintenance of cell lines with the **Cell**Celector.

Advanced level of security against contamination of valuable cell culture material with airborne pathogens. Experiments without time limitations and less differentiation or cell death due to temperature changes and high air Oxygen (hypoxy stress).

Investigation of primary cells not adapted to air Oxygen content (e.g. **monocytes, cancer stem cells**) and tissue under physiological conditions can reveal new data and models. Remote handling of cells with the CellCelector inside the Flowbox reduces the human factor and sets standards for experimental procedures.

Additional technical equipment and power supply for the **Cell**Celector can easily be stored underneath the Flowbox in the floor cupboard. It is mounted on rolls which allows for flexible placement in the lab room.

Time for Science

ALS headquarters in Jena, Germany

ALS Automated Lab Solutions GmbH is located in Jena, a dynamic city famous for microscopy and material science. ALS is a specialist for the development of innovative technological solutions for cell biology research and molecular biology. ALS lifts cell culture to a new level of choice and control on the leading edge in cell biology, cell therapy research, regenerative medicine and drug discovery. With automation and standardization of laborious manual procedures, ALS supports science and research for more efficiency and the creation of new methods for the science of tomorrow.

ALS is partner of:

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