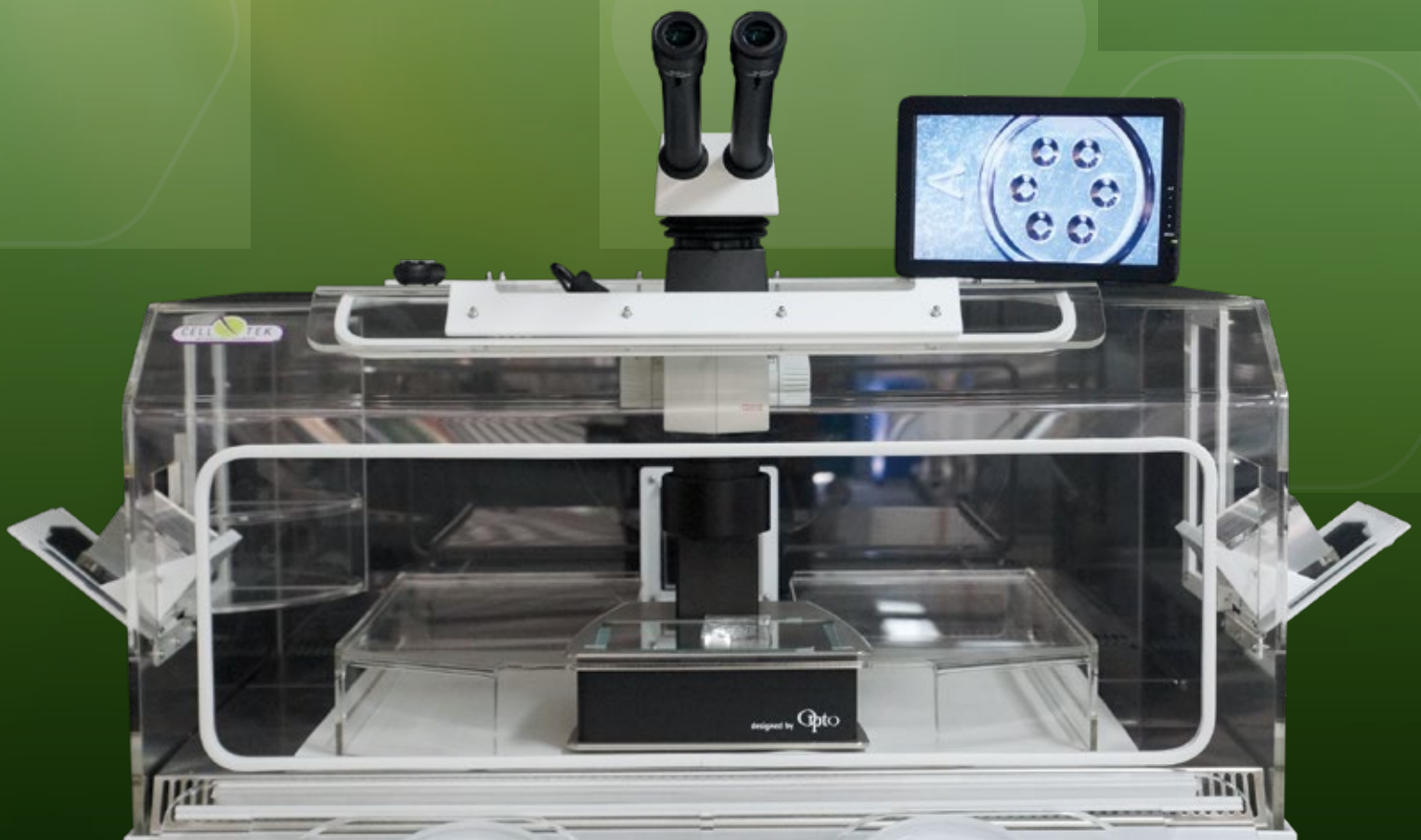


# CELLOTEK

## MICROSCOPE CHAMBER 3000

Microscope Chamber with stereo microscope



Designed with the latest technology for safe  
and ergonomic handling of cells and tissue

# CELLOTEK MICROSCOPE CHAMBER 3000

Countless studies have shown that embryo development is compromised by not maintaining the required temperature and optimum PH of culture media. This is of utmost importance from the time of egg collection through to blastocyst stage and final embryo transfer.

Cell-Tek 3000 chamber provides these conditions and the ability to manipulate oocytes and embryos at a comfortable stereo microscope magnification with viewing through ergonomic tilting eyepieces and simultaneous viewing on 10" LCD screen.

## A CHAMBER WITH RESEARCH GRADE STEREO MICROSCOPE IMAGING SYSTEMS & DUAL LED ENHANCED ILLUMINATION

The new illumination allows observation of cells and tissue as never before. The dual LED allows illumination of the embryo by white or IR-light (625nm) Simply turning one of the two light intensity control knobs either form of LED lights can be chosen or a balance of the two.



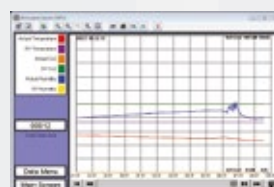
## IMAGING COMPONENTS

- Stereo microscope with zoom magnification 12X to 96X for pick-up or transfer procedures
- Lens mounted focussing for easy access
- Viewing through ergonomic tilting eyepieces and simultaneous 10" LCD screen
- Images and videos can be stored on integrated SD card in the camera or direct to PC
- Motorised tilting mirror for image enhancement



## EASY TO USE TOUCH PAD CONTROL

- Bright visible display showing temperature, CO<sub>2</sub> and Humidity
- Simple on/off touch control of all features
- Graphic continual display of performance
- Download of all performance parameters to USB stick
- Simple air temperature, CO<sub>2</sub> and humidity calibration against reference instruments





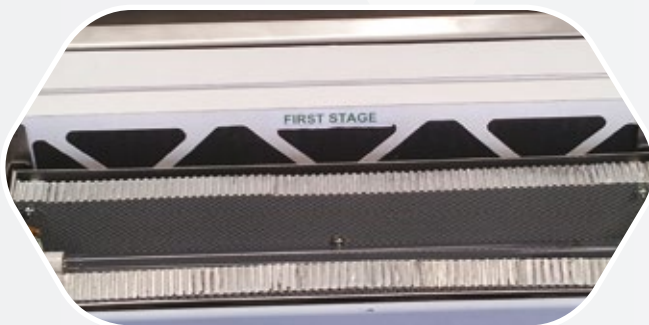
## FLEXIBILITY BY DESIGN

- Programmable 4 position and continually variable motorised height adjustment to suit seated or standing operation
- Mobility allowing movement through standard doorways of minimum 72 cm
- Optional side openings for doors and hatches, left or right side to suit lab layout
- Removable large microscope surround base for easy cleaning



## SELF-CONTAINED CLEAN CONTROLLED ENVIRONMENT

- Temperature control by clean circulated air, eliminating multiple heated surfaces
- Continual air filtration through HEPA and carbon filters provides a clean room environment
- Integrated UV photocatalytic module for removal of VOC's to low PPB levels
- Adjustable Infra-red CO<sub>2</sub> sensing and control for optimum media conditions
- Controlled humidity up to 70% RH minimising media evaporation in the dish
- Simple calibration and adjustment of all parameters against lab reference instruments



## LARGE WELL DEFINED AIR WARMED WORK SURFACE

- Heater free work surface level with microscope stage
- Safety edges preventing accidental dropping of dishes
- Easily removable for routine cleaning
- Accepts all witnessing systems
- Silicone base mat preventing any spills entering the instrument



See separate brochure for Cell-Tek options and accessories

# SPECIFICATIONS

## BASIC INSTRUMENT

|  |  |
|--|--|
| Overall instrument width (Foot print)                                | 105 cm   |
| Overall instrument depth (Front to back with fixed display module)   | 94 cm  |
| Overall instrument depth (Front to back with dropped display module) | 75 cm  |
| Overall instrument height on trolley lowest setting                  | 136 cm   |
| Overall instrument height on trolley highest setting                 | 155 cm   |
| Working floor space required with seating. width X depth             | 120 x 160 cm                                     |
| Canopy internal work area:   |  |
| Width  | 96 cm  |
| Depth  | 66 cm  |
| Height   | 40 cm  |
| Hinged front door opening width                                      | 84 cm  |
| Weight of instrument with trolley, microscope and canopy             | 168 kg   |
| Weight of instrument crated for shipping                             | 300 kg   |
| Crate size for shipping (Front opening)                              | 158 cm (h) x 127 cm (w) x 116 cm (d)             |
| Power requirements   | 220/240 Volt 50Hz<br>(Opt. 110/115 Volt 50/60Hz) |

## STANDARD MICROSCOPE

|   |                        |
|---|------------------------|
| Leica M80 with modified LED Base  |                        |
| Magnification zoom with 10" monitor (standard)<br>(Other magnifications on request) | 12 X - 96 X 90 mm WD   |
| High speed camera with SD card slot   | 128 mb - 32 Gb storage |
| HDMI output to screen or PC with software   | HD or PC switch        |

## MOTORISED TROLLEY

|  |           |
|--|-----------|
| Arm port center height adjustment from floor             | 90-110 cm |
| Height adjustment via up/down switch                     | 20 cm     |
| Castors 100mm medical grade swivel with floor lift-locks | 4         |

## CATALOGUE NO:

RD CLT 3000

Design and technical specifications can change without notification

FOR FURTHER DETAILED INFORMATION CONTACT:

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