

## DISCIPLINE:

## APPLICATION:

Fertility & Stability.....	ICSI, IVF, Spermatid Identification, Assisted Hatching, Embryo Biopsy, Genetics
Cell Physiology.....	Patch Clamping, Ion- Imaging
Pathology.....	Studies on Morphology of Particles and Cells
Neurology.....	Axon Growth, Efflux Studies of Electrolytes
Cell Biology.....	Cell-Cell Communication Studies, Tissue Culture
Molecular Biology.....	Studies on Genetics (DNA), Enzymatic Activity
Pharmacology.....	Cell Research in and Outside the Cell on All Levels
Plant Physiology.....	Root Hair Growth, Micro Parasites on Roots

## METHODS:

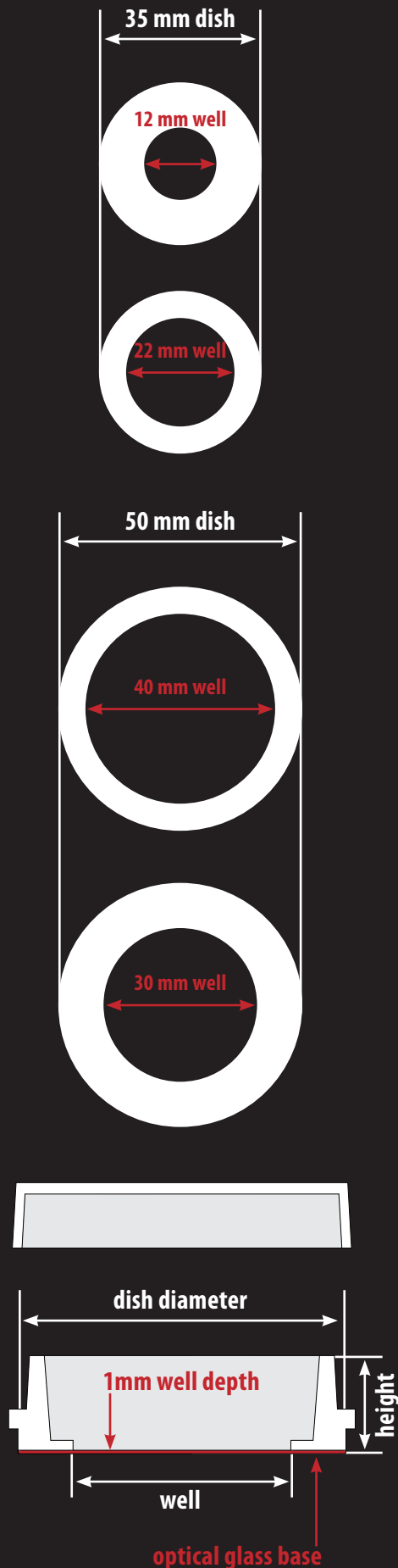
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|---|---|---|
| <ul style="list-style-type: none"> <li>• Differential Interference Contrast Microscopy (DIC)</li> <li>• Confocal Microscopy</li> <li>• Florescence Imaging</li> <li>• Live Cell Microscopy</li> </ul> | <ul style="list-style-type: none"> <li>• Fluorescence Lifetime Imaging Microscopy (FLIM)</li> <li>• Immunofluoresence Microscopy</li> <li>• Multi-Photon Laser Scanning Microscopy (MPLSM)</li> </ul> | <ul style="list-style-type: none"> <li>• Phase Contrast Microscopy</li> <li>• Confocal Laser Scanning Microscopy (CLSM)</li> <li>• High Level Laser Fluorescence</li> <li>• Epifluorescence Microscopy</li> </ul> |
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**Available  
with Black or  
Clear Outer  
Shells**



# TECHNICAL SPECIFICATIONS:



## CLS-1810

### GLASS BOTTOM CULTURE DISH, WILLCO-DISH®

Glass bottom dish used in confocal, fluorescence and polarized light imaging techniques of in vitro cell cultures. They are also ideal for live cell microscopy and live cell imaging. The glass bottom WILLCO-DISH® uses a special formulated adhesive with a low toxicity that is durable and optically clear. Glass thickness is within  $0.17 \pm 0.01$  mm and permits use of immersion objectives with water, glycerin or oil. The glass bottom is flush with the microscope stage or heating stage to ensure high stability and optimum heat exchange. The optical quality of the glass bottom provides a higher effective numerical aperture producing brighter high resolution images in all types of microscopy applications.

Dishes are available in two sizes, 35 and 50mm. The 35mm has outside dimensions equal to that of a Corning 35mm dish and is compatible with most 35mm heaters and perfusion adapters. The 50mm size is perfect for microinjection work due to their larger diameter and lower side walls that allow for easier access to the cells. All dishes are sterilized by use of gamma irradiation.

Available with clear and black sides. The black sided dish is ideal for use in fluorescence imaging which requires lower scattering of light.

**Clear Sided Dishes:** Individually sterile blister packed, 20 per case.

PART NUMBER	DISH DIAMETER (mm)	HEIGHT (mm)	GLASS WELL DIAMETER (mm)	CASE PRICE
CLS-1810-001	35	10	12	112.000
CLS-1810-002	35	10	22	120.000
CLS-1810-004	50	7	30	120.000
CLS-1810-005	50	7	40	120.000

**Black Sided Dishes:** Individually sterile blister packed, 20 per case.

PART NUMBER	DISH DIAMETER (mm)	HEIGHT (mm)	GLASS WELL DIAMETER (mm)	CASE PRICE
CLS-1810-010	35	10	12	112.000
CLS-1810-012	35	10	22	120.000
CLS-1810-013	50	7	30	120.000
CLS-1810-014	50	7	40	120.000

◊ Subject to Life Science Consumable Discount

### Technical Information Regarding Positioning Embryos / Life Cells

Our glass bottom dishes are non-cytotoxic and non-pyrogenic. Although manufacturers of adhesives have certificates confirming that their products are "non-Cytotoxicity", there is always a risk of positioning embryos/life cells on or even close to the edge, where the adhesive ring is in direct contact with the media inside the dish. Therefore, it is our advice to use a position for cells that is close to the center of the glass.

\*WILLCO-DISH is a trademark of WILLCO WELLS™