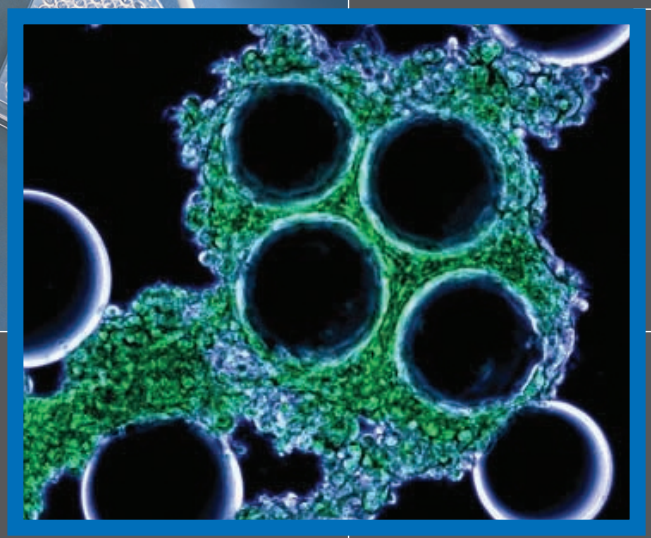
# TCM 400

Inverted Microscopy





LABOMED

ideas for vision

# Inverted Microscopy for Cell Culture & Biosciences

LABOMED®

1

Infinity-corrected optics provide images with needle-sharp contrast and definition. Extra-long-working-distance objectives and super-wide-field eyepieces make operation easy.

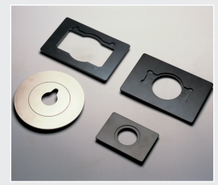



## TCM 400

The TCM 400 is a compact inverted research microscope with advanced performance features: an infinity-corrected, true-color, long-working-distance optical system and a low-positioned precision coaxial focusing mechanism with focus stop and tension adjustment.

Teamed with accessories such as phase contrast, a fluorescence system and a wide variety of viewing bodies, the TCM 400 delivers high-end performance.







3

High-precision, sophisticated micromanipulators and accessories provide the greatest convenience during intracytoplasmic sperm injection (ICSI) in the IVF process.

2

With a broad choice of accessories, the microscope serves a wide range of research and bioscience applications and makes the observation and analysis of cell cultures and in vitro fertilization (IVF) studies easy.

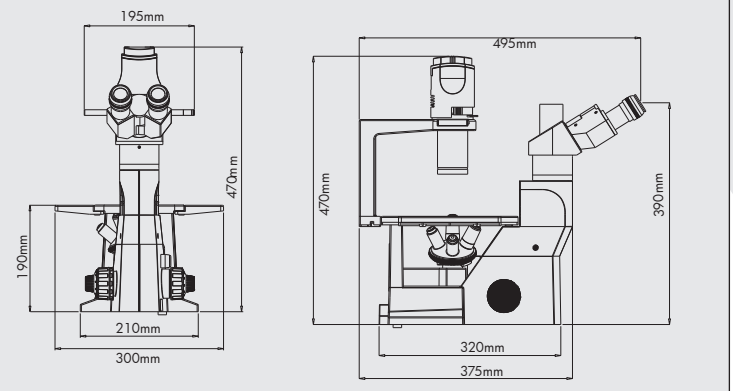


# TCM 400 Inverted Microscope

Specifications

| Item | Specifications |
|---|---|
| Stand | Ergonomic, sturdy stand of rust-resistant material |
| Viewing head | Siedentopf binocular or trinocular head, 30° inclined; ergonomic tilting 0–25°; 360° rotatable; interpupillary distance 52–75 mm |
| Eyepieces | Focusable wide-field 10x/22 mm eyepieces* with foldable eyecups, anti-fungal |
| Nosepiece | Reverse-angle quadruple nosepiece (ball-bearing type) with click stops and rubber grip |
| Objectives | LW series infinity-corrected, true-color, long-working-distance DIN phase plan achromatic objectives* 4x, 10x and 20x; anti-fungal; optional 40x objective |
| Condenser | Long working distance, NA 0.30, for phase contrast and brightfield with phase contrast slider; detachable condenser lens for tall flasks |
| Focusing | Coaxial coarse and fine focusing with automatic focus stop and tension adjustment |
| Illumination | Transmitted illumination, 6 V 30 W halogen with intensity control; 100–240 V universal power supply (UL/CE approved) |
| Optional accessories | Mechanical stage, micromanipulators, fluorescence attachment, adapters for video and digital still camera |

Dimensions (Units: mm)




## Configurations

| Description | Configuration | Cat. No. |
|---|---|---|
| Standard | Binocular | 7125000 |
| Standard | Trinocular | 7125500 |
| Standard | Ergonomic 0–25° | 7126000 |
| **Fluorescence** | | |
| Standard | Binocular | 7127000 |
| Standard | Trinocular | 7128000 |

* All optical components are made of environmentally friendly lead-free optical glass.

**Labo America, Inc.**
920 Auburn Court
Fremont, CA 94538
U.S.A.

Tel: (510) 445-1257
Email: sales@laboamerica.com

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