



## Upright Light Compound Microscope Series Delivers Brilliant Images

### Outstanding Views

Superb image resolution - infinity planachromatic optics, excellent clarity, flatness

### Easy to use

- Four objectives: 4, 10, 40 & 100X oil installed; & condenser centered for optimum light
- Controls fit naturally, minimal effort for moving stage and focus controls

### Easy to choose

Ready now for applications in Hematology, Biology, Life Science Research; basic model TS-211 can perform additional applications:



- Infinity design allows modules/kits to be added:

**Fluorescence** - Clinical for AFB test, includes fluorescent filters to excite specific fluorophores

**Polarization** – from simple crystal exams to full illumination of birefringent samples; models include multiple lenses, analyzers to achieve polarization

**Phase Contrast** – Enables viewing semi transparent samples, those with limited color, by enhancing contrast

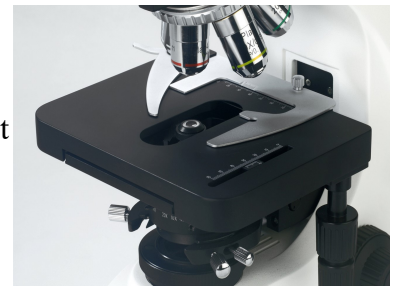
**Education** – unique features to reduce breakage/loss, not a module:

- contained stage - no extending parts; cord wrap; locked eye pieces, condenser and optical head



**Digital imaging** – models include video cameras built in with 3 Megapixel resolution or trinocular heads for camera attachment

- Camera systems up to 5 Megapixel include color video camera, software, USB cable and optical adapter for connection



### Dependable and Reliable

labForce industry leading 5 Year Warranty shows the Series' reliability

- ✓ All metal and glass construction - no plastic gears to fail or fade over time, true color
- ✓ Integrated Handle for transporting ease
- ✓ Stage, rack or rackless- rounded corners for safety and a durable slide holder two slide capacity

## Comfort, Convenience Designed In

Standard, included with Upright Light Compound Microscopes:

- ✓ Four objectives – add another objective for precision
- ✓ Wide field 10X eye pieces, FN 20, angled 30°, except TS135 FN 18
- ✓ Koehler Illumination – LED or halogen, all glass components, true color reproduction, optimal contrast
- ✓ The Stage, rack or rackless design with rounded corners for comfort and a durable slide holder with two slide capacity. 7.5 x 5.5 in., 19x14cm



TS-211



TS-102



TS-135

### Model Number Chart by Application

<b>Labforce Model Numbers</b>	Bright Field	Phase Contrast	Fluorescence	Polarization for Clinical use	Polarization, round stage	Education	Achromatic objectives
Monocular							TS135-M3 TS135-M4
Binocular	TS-211 TS-102	TS-221	TS-2EF	TS-2PL	TS-PL211		TS135-B3 TS135-B4
Trinocular for camera attachment	TS-311 TS-103	TS-321	TS-3EF	TS-3PL	TS-PL311		
Objective, 50Xoil	OP-050						
Objective, 60X	TS-060						
Objective, 20X	TS-020						
Modular Attachment Kits for basic model TS-211		TS-PHP	TS-EPI	TS-PL		TS-2E	

Excluding TS135 models, units include 10X eye pieces, FN 20; Infinity Planachromatic bright field objectives: 4, 10, 40 & 100X; or phase contrast 10, 20, 40 & 100X with phase telescoping eyepiece; power cord, dust cover, immersion oil, color filter(s), spare lamp, fuse; and anti-microbial treatment on frame and head.

Universal Power AC 110-240V, 50/60 Hz

Dimensions TS211 series: (WHD) (in/cm) 8 x 15 x 16 / 21 x 40 x 41 Net Wt. (lb/kg) 22 / 10

Dimensions TS102/3 - (WHD) (in/cm) 6 x 14 x 13.5 / 15 x 35 x 34 Net Wt. (lb/kg) 14 / 6.4

**Objective Lens Specifications:** R indicates retractable/spring loaded lens

<b>Objectives</b>	Numerical Aperture (mm)	Field of View 10X Eye Piece (mm)	Working Distance Bright Field (mm)	Working Distance Phase Contrast (mm)	Working Distance Bright Field (mm) Achromatic TS135
4X	0.1	5	6.73		27
10X	0.25	2	4.19	4	6.6
40X R	0.66	0.5	0.45	0.29	0.57
100X R (oil)	1.25	0.2	0.12	0.12	0.19
50X R(oil) optional	0.9	0.44	0.12		
20X optional	0.4	1	2.14	1.24	
60X R optional	0.8	0.65	0.12		