



# Research Inverted Fluorescence Microscope

## PZQ-107



Laboratory Solutions For Research Field

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**Optical System:** Infinite Optical System.

**Viewing Head:** Inclined 45° trinocular tube, interpupillary distance: 48-76mm, splitting ratio: eyepiece: trinocular 100:0 or 20:80. Eyepiece tube diameter: 30mm.

**Eyepiece:** Wide field plan eyepiece 10X/22mm, with adjustable diopter. (Optional: Wide field eyepiece WF15×/16mm, WF20×/12mm)

**Objectives:** Long Working Distance Infinite Plan Achromatic Phase Contrast Objective (L Plan FL PHP)

4X/NA=0.11, WD=12.1mm.

10X/NA=0.25, WD=10.3mm.

20X/NA=0.45, WD=5.8mm.

40X/NA=0.65, WD=5.1mm.

**Nosepiece:** Quintuple nosepiece.

**Condenser:** 4-hole rotating disc phase contrast condenser, N.A.0.4, W.D.45mm, adjustable up and down.

**Centering Telescope:** Centering telescope (Φ30mm)

**Stage size:** 210mm(X) x 241mm(Y). Round size: Φ110mm. Coaxial coarse and fine adjustment, fine division 0.002mm, moving range 10mm. Attached mechanical stage, available for 96 holes plate. X-Y coaxial control, moving range: 128mm(X) x 80mm(Y)

**Dish Holder:** Φ54mm culture dish holder, Holder for blood cell counter, Universal holder, Glass holder,

**Focusing:** Coaxial coarse and fine adjustment, fine division 0.002mm, moving range 10mm.

**Koehler Illumination:** 12V/50W halogen lamp, input voltage: 100V-240V or 5W LED lamp, input voltage: 100V-240V.

**Auto power on-off system:** Power off automatically upon user leaving 10 minutes, power on automatically upon user approaching.

**Filters:** Blue, green, amber Dia 34mm.

**Epi-Fluorescent Attachment:** Two channel fluorescence module: one 100W mercury lamp or 5W Led and B/G filters or Four channel fluorescence module: one 100W mercury lamp and V/UV/B/G filters.



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