

OPTINITY™

# Inverted Microscope

- for Living Cell Observation

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**MDM**  
INSTRUMENTS

## OPTINITY Inverted Microscope



KI-400

표준형 도립현미경- 100x,200x,위상차 기본지원  
카메라 장착기능,형광지원가능

### Basic Specification

접안렌즈:EW10x/22,Extra Wide Field Eyepiece  
대물렌즈:LWD Infinite Plan 4x,40x  
Infinite Plan Phase Contrast 10x,20x  
Trinocular Head,Quintuple Nosepiece  
6V/30W Halogen Lamp, Auxiliary Stage

### Option

Attachable Mechanical Stage, Microscopy Camera, Fluorescence kit

LED type 위상차 전용 도립현미경, 카메라 장착가능  
-40x,100x,200x,400x 위상차 기본지원

### Basic Specification

접안렌즈:PL10x/22, Field of View :22mm  
대물렌즈:Long working distance plan phase contrast 4x,10x,20x,40x  
Trinocular Viewing Head,Quintuple Nosepiece  
5W warm color LED, intensity adjustable

### Option

Attachable Mechanical Stage, Microscopy Camera



KI-450

고급형 도립현미경 -Adjustable Condenser 기본지원  
현미경 카메라 장착가능, 형광 지원 가능

### Basic Specification

접안렌즈:PL10x/22, with eyecap  
대물렌즈:LWD Infinite Plan 4x,10x,40x,  
Infinite Plan Phase Contrast 20x  
Trinocular Viewing Head, Quintuple Nosepiece  
Adjustable Condenser  
5W warm color LED, intensity adjustable

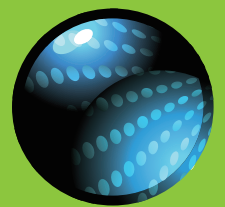
### Option

Attachable Mechanical Stage, Microscopy Camera, Fluorescence kit



KI-2000

  
**MDM**  
INSTRUMENTS



# Inverted Microscope

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## 도립 표준형 형광 현미경-GFP,REP 형광필터 기본지원(3-Filter Cubes)

- Inverted Microscope, KI-400
  - 4x, 10x, 20x, 40x Objective
  - Extra Wide Field Eyepiece, EW10x/22
  - 100x, 200x Phase Contrast Set
  - 120 x 78mm Mechanical Stage
- Fluorescence Module, KF-2
  - Blue excitation filter (GFP) -> for FITC...
  - Green excitation filter (RFP) -> for Texas RED...
  - UV excitation filter (Option) -> for DAPI...
  - Multi-excitation filter (Option) -> for FITC, Texas RED, DAPI
  - 100W HBO Ultra Hi-Voltage Spherical Mercury Lamp



KF-2 Fluorescence Module



KI-400F

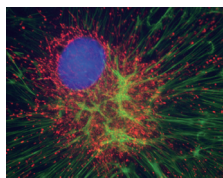
## 도립 고급형 형광 현미경-GFP,RFP,DAPI 형광필터 기본지원(4-Filter Cubes)

### Inverted Fluorescence Microscope System, KI-2000F

- Inverted Microscope, KI-2000
  - 4x, 10x, 20x, 40x Objective
  - PL10x/22 Eyepiece with eyecap
  - 200x Phase Contrast Set
  - Adjustable Condenser (Option)
- Fluorescence Module, KF-20
  - Blue excitation filter (GFP) -> for FITC...
  - Green excitation filter (RFP) -> for Texas RED...
  - UV excitation filter (UV) -> for DAPI...
  - Multi-excitation filter (Option) -> for FITC, Texas RED, DAPI
  - 4 Filter Cubes
  - 100W HBO Ultra Hi-Voltage Spherical Mercury Lamp



KI-2000F



Fluorescence Image, Multi-filter

- FITC, Texas RED, DAPI

## 형광 현미경용 디지털 카메라-형광용 소프트웨어 기본지원

### Digital Microscopy Camera & Analysis Software for Fluorescence Microscope

- Ultra Low Read-out Noise : 3 to 5 times lower than conventional CCD cameras
- Excellent Quantum Efficiency : 30% to 50% higher than conventional CCD cameras
- Exact Reproduction of Colors : Produce more natural and smooth color images than the conventional CCD cameras

-sCOMS(Scientific CMOS),Resolution:2048x1436



Discovery C30