



Primary mouse cortical neuron culture labeled for MAP2. Imaged using the TC PlanFluor 20X objective with the CELENA® S.

CELENA® S Digital Imaging System

Cat #	Objectives	Filter Cubes
CS20001	Custom configurations	Custom configurations
CS20002	TC PlanAchrom 4X Ph TC PlanFluor 10X TC PlanFluor 20X TC PlanFluor 40X	EGFP RFP DAPI

CELENA® S Digital Imaging System Technical Specifications	
Imaging methods	Epifluorescence and transmitted light (brightfield and phase contrast)
Illumination	LED filter cubes with adjustable intensity (>50,000 hr life per filter cube)
Fluorescence channels	3 fluorescence channels and 1 transmitted light channel
Objective turret	5 positions
Objectives	High quality long working distance (LWD) and coverslip-corrected; 1.25X-100X
Condenser	47 mm LWD condenser; 3-positions with brightfield and phase contrast annuli
Computer	Built-in dual core CPU, 128 GB SSD internal storage
Stage	Mechanical X/Y stage, motorized Z stage; accommodates an onstage incubator
LCD display	Full HD color LCD monitor, 1920 x 1080 pixels (not included)
Camera	1.3 MP monochrome CMOS with 1280 x 1024 pixels
Images	8 or 16-bit TIFF, JPG, BMP, or PNG
Dimensions (L x W x H)	44 cm x 30 cm x 27 cm (17.3" x 11.6" x 10.6")
Weight	20 kg (44 lb)

Onstage Incubation System

Cat #	Product	Contents
I10501	Universal Heating System	- one (1) Temperature Controller - one (1) Heated Plate in Multi-Well Format for 1 Chamber - one (1) Heating Insert - one (1) Heated Lid
I10502	Gas Incubation System for CO ₂	- one (1) CO ₂ Gas Mixer - one (1) Humidifying Column - one (1) Air Pressure Generator
I10503	Gas Incubation System for CO ₂ /O ₂	- one (1) CO ₂ /O ₂ Gas Mixer - one (1) Humidifying Column - one (1) Air Pressure Generator
I10510	Heating Insert for Micro Slides	
I10511	Heating Insert for a 35 mm Dish	

Onstage Incubation System Technical Specifications	
Compatible vessels	35 mm dishes, micro slides
Temperature range	Ambient temperature to 55°C
CO ₂ range	0.1-20%
O ₂ range	0-21%
Humidity range	22-99%
Dimensions (L x W x H)	Heated plate with lid: 15.5 cm x 23.6 cm x 3.0 cm Temperature controller: 23 cm x 17 cm x 9 cm Gas mixer: 23 cm x 17 cm x 9 cm
Weight	Heated plate with lid: 0.4 kg (0.9 lb) Temperature controller: 3.4 kg (7.5 lb) Gas mixer: 2.1 kg (4.6 lb)