

Lumidox / PCR Setup

Lumidox® II for Cell Culture / Biological Applications

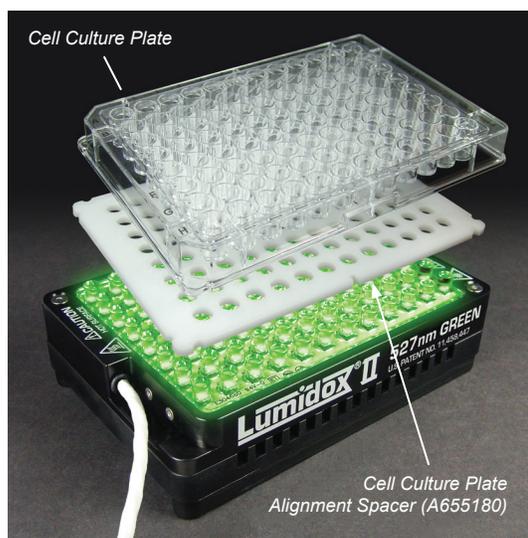
We can support your photon irradiation needs for your cell culture or biological applications, such as:

- Photoconverting live mammalian cells with Dendra protein for fluorescent imaging days after photoconversion
- Testing of light-induced toxicity of certain compounds on different cell lines for photodynamic therapy applications
- Studying the photothermal effects of compounds in live cells
- Testing photodynamic therapy of various innovative compounds on live cells
- The use of photodynamic therapy as a type of cancer treatment

Lumidox II LED Arrays with Active Cooling Base

Lumidox II LED arrays generate wavelength specific light for your cell culture or biological experimentation.

- Available in 15 wavelengths from UV, Visible through IR.
- Run at 37°C indefinitely (70°C max) at humidity <=99%.
- Active Cooling Base LED arrays are fully compatible with incubation chambers.
- Use **Lens Mat** Arrays for 24 or 96 well flat bottom collection plates, or with Analytical's 48-well TCR.
- Use **Diffused Mat** Arrays for cell culture flasks, petri dishes, larger 12-well and 6-well cell culture plates, etc..
- Active Cooling Base arrays are recommended for bio/cell culture work, but other base configurations are available.



Lumidox / Cell Culture Setup

Cell Culture Plate Alignment Spacers

These Alignment Spacers are designed for **Lens Mat** arrays (*not compatible with diffuse mat arrays*). Plate specific Alignment Spacers are currently available for 24 and 96-well cell culture plates. They provide consistent and proper alignment of the plate to the LED array. We currently produce Alignment Spacers for the following plates:

- All our Low Profile collection plates
- Cellvis P96-1.5H-N
- Greiner 655180
- Corning Costar cell culture plates
- Eppendorf cell culture plates (contact us with your specific plate)
- Thermo Scientific Nunc MicroWell plates
- Perkin Elmer ViewPlate (formerly Packard ViewPlate)

Alignment Spacers are available for any standard cell culture plate by request.

Lumidox® II Controller

- Five stages of light intensity to choose from that can be calibrated to your custom levels at the time of purchase.
- Controller has an onboard timer to reproducibly limit exposure.



Lumidox II controller (lum2con)

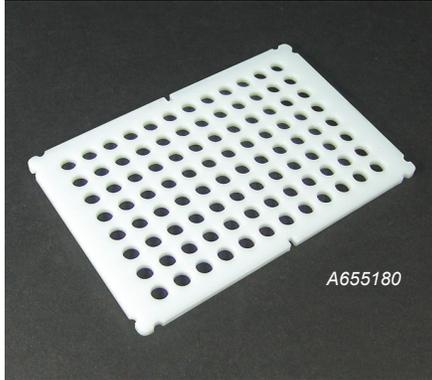


LUM296LA470

Lumidox® II LED Arrays with Active Cooling Base

Recommended wavelengths for biological and cell culture work. Other wavelengths are available.

Catalog No.	Description	Wavelength
LUM296LA445	Lumidox® II 96-position LED Array with Lens Mat & Active Cooling Base	445nm - Indigo
LUM296LA470	Lumidox® II 96-position LED Array with Lens Mat & Active Cooling Base	470nm - Blue
LUM296LA527	Lumidox® II 96-position LED Array with Lens Mat & Active Cooling Base	527nm - Green
LUM296LA630	Lumidox® II 96-position LED Array with Lens Mat & Active Cooling Base	630nm - Red
LUM296LA660	Lumidox® II 96-position LED Array with Lens Mat & Active Cooling Base	660nm - Deep Red
LUM296LAWHT	Lumidox® II 96-position LED Array with Lens Mat & Active Cooling Base	White



A655180

Cell Culture Plate Alignment Spacer

Catalog No.	Description
A655180	Alignment Spacer for Lumidox II LED Arrays, for use with Greiner 655180 Plate
AP9615HN	Alignment Spacer for Lumidox II LED Arrays, for use with Cellvis P96-15H-N Well Plates
A204625	Alignment Spacer for Lumidox II LED Arrays, for use with Cell Culture Plate Part # 96624
A204627	Alignment Spacer for Lumidox II LED Arrays, for use with Cell Culture Plate Part # 96626
ACRCLP01	Alignment Spacer for Lumidox II LED Arrays, for use with Corning Cell Culture Plates
A6005430	Alignment Spacer for Lumidox II LED Arrays, for use with Perkin Elmer ViewPlate (Packard ViewPlate)
A204628	Alignment Spacer for Lumidox II LED Arrays, for use with Cell Culture Plate Part # 384628
ACRCLP03	Alignment Spacer for Lumidox II LED Arrays, for use with Corning 2592 Plate
ACRCLP02	Alignment Spacer for Lumidox II LED Arrays, for use with Corning 3631 Plate
A655097	Alignment Spacer for Lumidox II LED Arrays, for use with Greiner 655097 Plate
AP24727	Alignment Spacer for Lumidox II 24-position LED Arrays, for use with 24 Reservoir Plate #24727

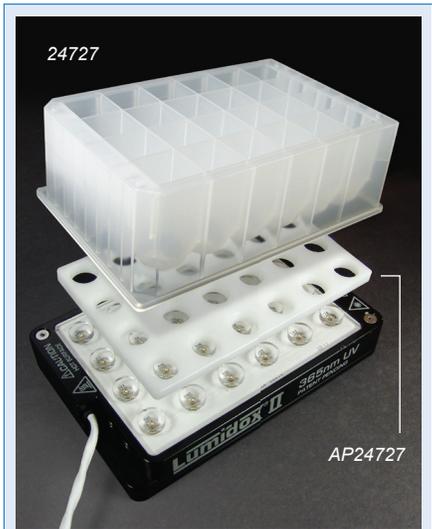


96626

Cell Culture Plates

Catalog No.	Description	QTY
96624	96-well Cell Culture/Imaging Microplate (Agilent) - Clear with Flat Bottom, 400µL Per Well	40
96518	96 Well, Flat Bottom Clear PS Microplate, 25-340µL working volume per well	100
96626	96-well Cell Culture/Imaging Microplate (Agilent) - Black with Clear Flat Bottom, 400µL Per Well	32
961515	Cellvis 96-well Black Polystyrene/Glass Bottom Plate with high performance #1.5 cover glass	20
96097	96 Well, Black/Clear Flat Bottom Well PS Microplate, 25-340µL working volume per well, high binding, sterile	40
384628	384-well Cell Culture/Imaging Microplate, 140µL Per Well	32
24727	24-Well Reservoir Plate, Square Well/Round Bottom	25

Please see our website for additional collection plates



24 well setup with Lumidox 24-well LED Array - See website for array options



AVWRPCR1

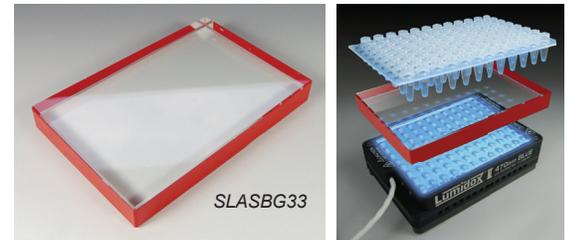
PCR Plate Alignment Spacer

Catalog No.	Description
AVWRPCR1	PCR Plate Alignment Spacer for Lumidox®II 96-position LED Lens Mat Arrays

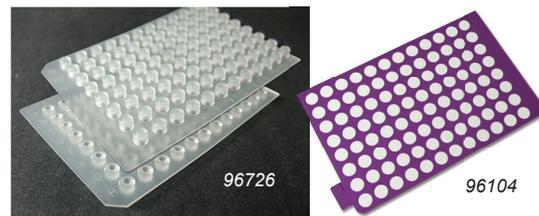
Borofloat 33 Glass Block

Use to reduce the amount of light intensity delivered to your samples by increasing the distance between the samples and the light source (LED array).

Catalog No.	Description
SLASBG33	Borofloat 33 Glass Block



SLASBG33



96726

96104

Cap Mats and Films for PCR Plates

Cat. No.	Description	QTY
96726	6mm Silicone/PTFE Cap Mats for 96-well PCR Collection Plates	5
96104	Pattern Adhesive Resealable Silicone Sealing Film, Round 96-Well Pattern	5