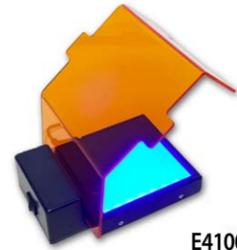


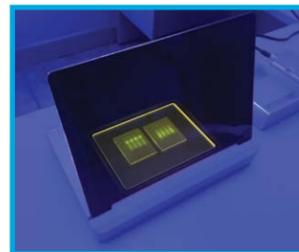
SMARTBLUE™



CE E4100



E4100



Markers stained with SmartGlow™ shown on SmartBlue



Optional viewing glasses

- + Safe blue light does not damage nucleic acid
- + Uniform Illumination (UI) provides even lighting
- + 465nm wavelength, optimal for green stains
- + Two position amber cover is also removable

Safer for samples, safer for you: Accuris SmartBlue Transilluminators are the perfect partner for the most common safe DNA stains. These instruments emit blue light at a wavelength of 465nm, perfect for excitation of most green fluorophors, including our Accuris' SmartGlow™, SYBR Green, SYBR Safe, SYBR Gold, GelStar, GelGreen, to name a few. The SmartBlue can also work for excitation of EtBr (though fluorescence is not as bright as with UV), see our Technical Bulletin with sample images. Exposing DNA to blue wavelength does not cause molecular damage, and results in a much higher downstream cloning efficiency as compared to even short UV light exposures. In addition, the visible blue light is not damaging to the user's skin and is less harmful to the eyes.* Two position filter cover: Both the E4100 and E4000 transilluminators come with emission filter covers. These amber covers, which rest above the viewing surface and gel, filter out the blue light, allowing the fluorescing DNA bands to be seen clearly. The covers are designed to fit flat for general gel viewing or to be placed at an angle to provide easy access to the gel for band excision. For documentation, the filter cover is easily removed completely.

Optional amber viewing glasses: Our E4000-VG1 SmartBlue Plus Viewing Glasses offer efficient blocking of the blue light wavelength from the transilluminators, allowing clear visualization of the fluorescing DNA bands without the filter cover in place. These convenient glasses are recommended for users that are frequently excising DNA bands from gels. SmartBlue Plus glasses also block 100% of UV wavelength so they can also be used for viewing gels on a UV transilluminator.

* The SmartBlue products use high intensity LED lights. Although the visible blue wavelength is significantly safer than UV light, it is recommended to not stare directly at the viewing surface without the amber cover in place.

Technical Data:	E4000	E4100
Light Source:	High Intensity Blue LEDs	
Wavelength:	Peak at 465nm	
Viewing Surface:	17 x 12 cm	10.5 x 10.5 cm
Viewing Surface:	Amber, filters blue light	
Dimensions: (W x D x H):	12.8 x 8.5 x 1.9 in. / 30.5 x 21.5 x 5 cm	6.7 x 4.72 x 2 in. / 7 x 12 x 5 cm
Weight:	2.6 lbs. (1.2kg)	
Electrical:	115V or 230V, 50Hz to 60Hz	
Warranty:	2 years	

Ordering Information:

Item No.	Description:
E4000*	SmartBlue™ Blue Light Transilluminator
E4100*	SmartBlue™ Mini Blue Light Transilluminator, includes amber cover
E5001-SD	SmartDoc™ Imaging Enclosure with orange photo filter
E4000-VG1	Orange viewing glasses for use with blue light, includes case

*115V with US plug. For 230V (EU plug), add (-E).

SMARTDOC™ 2.0

Gel Visualization and Smart Phone Imaging System



CE E5001-SDB

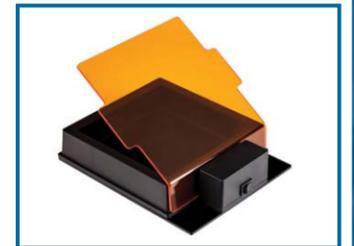
- + Quality imaging with any smart phone
- + Ideal for common safe stains (SmartGlow™, SYBR® Green, Gel Green, etc.)
- + Visible blue light will not damage DNA
- + Gel access for DNA band cutting
- + Imaging enclosure available individually and can be used on existing transilluminators

Technical Data:

Maximum gel size:	15 x 15cm
Excitation source:	High intensity blue LED
Photo filter:	Orange PMMA, 12mm aperture
Viewing cover:	Orange PMMA, 18cm x 18cm
Phone compatibility:	iPhone™, Android™, etc. (smart phones and tablets with a camera)
Dimensions (W x D x H):	9 x 7.5 x 8.6 in. / 23 x 19 x 22 cm
Weight:	2.6 lbs (1.2kg)
Electrical:	115V or 230V, 50Hz to 60Hz
Warranty:	2 years



Standalone blue light illumination base (Included with E5001-SDB)



Included orange cover can be tilted for gel access

Ordering Information:

Item No.	Description:
E5001-SDB*	SmartDoc™ Gel Imaging System with blue light illumination and orange photo filter
E5001-SD	SmartDoc™ Gel Imaging Enclosure (use on existing transilluminator) w/orange photo filter
E5000-MAT	UV Blocking Mat
E5001-535	SmartDoc photo filter, 535nm for imaging green stains on UV
E5001-590	SmartDoc photo filter, 590nm for imaging EtBr on UV
E4000-VG1	Orange viewing glasses for use with blue light, includes case

*Includes US plug. For EU plug, please add (-E).



E5001-SD Enclosure shown on E4000 UV Transilluminator

SmartGlow™ Safe Nucleic Acid Stain



Markers stained with SmartGlow LD*
*Excitation with Accuris SmartBlue™ Transilluminator. Imaged using Accuris SmartDoc™ Blue with iPhone 6.

- + Replaces hazardous EtBr
- + Excitation by UV or blue light
- + Non-mutagenic, environmentally safe
- + Two types: PS (Pre-Stain) LD (loading Dye)

Ordering Information:

Item No.	Description:
E4500-PS	SmartGlow™ PS (Pre-Stain), 1ml (20,000X)
E4500-LD	SmartGlow™ LD (Loading Dye) with stain, 1ml (6X)