INTAS
SCIENCE IMAGING

Manufacturer and Inventor
of Gel Doc & Western Blot Imaging Systems
Quality made in Germany since 1975

NEW

Unrivaled flexibility ■ Maximized Performance ■ Unique technologies

CHEMOSTAR Touch

CHEMOSTAR Touch

ECL CHEMOSTAR

ECL, Fluorescence, Gel and Plant Imaging Systems
Made in Germany

Application Images:

www.intas.de
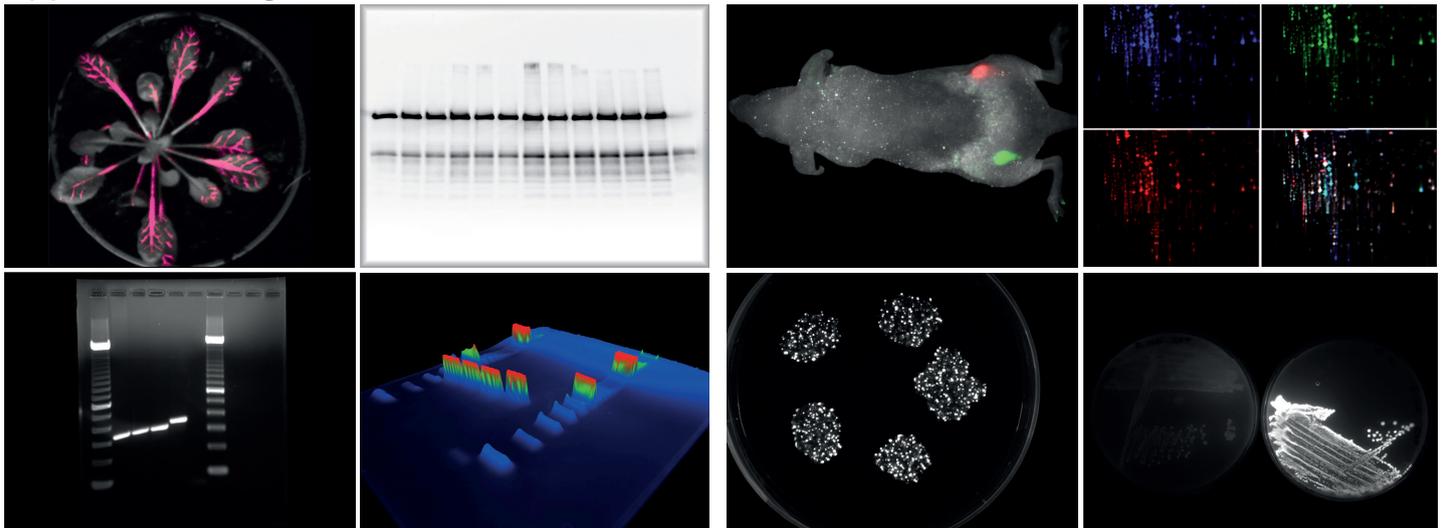
ChemoStar Touch

THE SMARTEST ECL & FLUORESCENCE WESTERNBLOT IMAGER

NEW

21.5 Inch Capacitive Touchscreen Display

Scientific Grade CCD Camera 6 or 9 MPixel 16Bit

Self-Explanatory Software Workflow CFR21 Part 11 Compatible

f0.80 or f0.95 Fixed Focal Lens

2 x USB, 1 x Network, HDMI for external Monitor optional

Intelligent Door Security System

Drawer for UV- or Blue/Green Transilluminator

Focus on our new compact **chemiluminescence imager** with its optional fluorescence module. Notable features for the laboratory imaging of the future include advanced capabilities like space-saving sturdy all-metal construction of all ChemoStar darkrooms. Interchangeable high-power fluorescence LED Cubes with spectra ranging from UV to NIR. Highest precision in detection of even the weakest signals due to the use of one of four highly sensitive CCD cameras with 6.0 up to 9.2 megapixel. Manual or motorized 25 mm lenses with an extreme light yield of F0.95. Exchangeable UV-, White-, CyanLED- (Blue/Green) and BlueLED-transilluminators for every of your needs. New automatic 64 bit ChemoStar image acquisition software for use with Windows 10.

Blue/Green Transilluminator

UV Transilluminator

Thermo Printer

Optional additional equipment

- Conversion screen from UV to Blue- or White
- Blue- or Blue/Green LED transilluminator
- UV-transilluminator 20x20 cm 312 nm
- Thermo Printer
- White light led screen
- Analysis software

- EPI LED Cube Blue 477nm
- EPI LED Cube Green 525nm
- EPI LED Cube Photo Green 550nm
- EPI LED Cube Red 632nm
- EPI LED Cube Photo Red 670nm
- EPI LED Cube NIR 740nm
- EPI LED Cube NIR 765nm

ChemoStar PLUS+
COMPACT ECL & FLUORESCENCE WESTERNBLOT IMAGER

Scientific Grade CCD Camera 6 or 9 MPixel 16Bit

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Intelligent Door Security System

Drawer for UV- or Blue/Green Transilluminator

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Blue/Green Transilluminator

UV Transilluminator

Thermo Printer
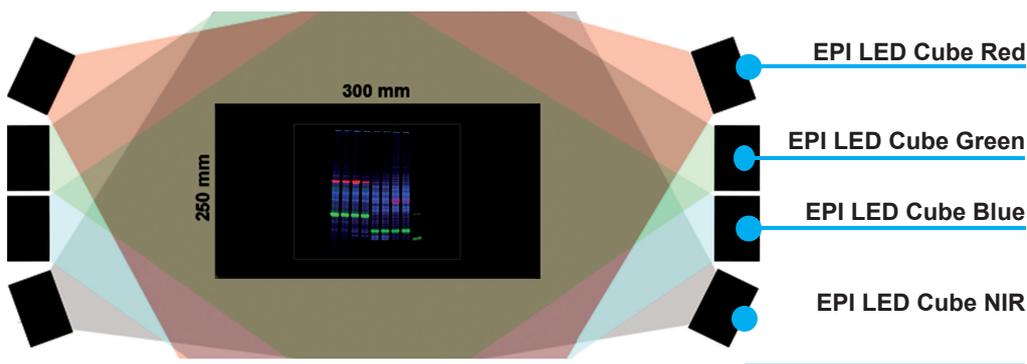
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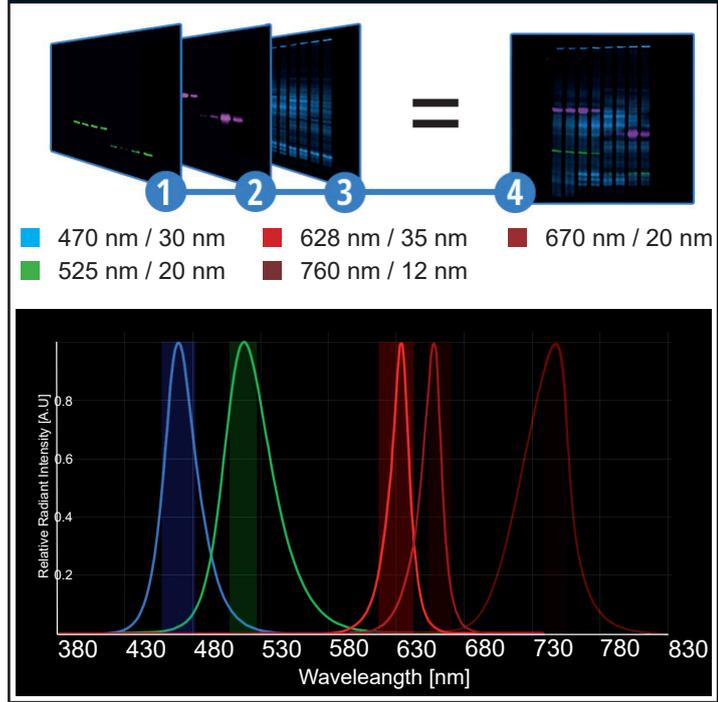
Advanced Sample Illumination Technology

With the new Intas Advanced Sample Illumination Technology, you can take fluorescence imaging to a new level. Specially designed high-power LEDs with an extra wide exit angle allow sample sizes up to 30 x 25 cm to be evenly illuminated. Several LEDs with an extremely high total power output are available for each color channel. In addition, your sample will be excited as accurately as possible, using highly specific interference filters. In total, you have up to four color channels that can be used at the same time without adjustment or modification. This enables unprecedented results to be achieved - regardless of whether you use fluorescent western blotting, direct labelling, 2D DIGE or other fluorescent applications.

300 mm
250 mm

EPI LED Cube Red

EPI LED Cube Green

EPI LED Cube Blue

EPI LED Cube NIR

Comparison between LED Cubes & LED Spot lights

Intas LED Cubes

Competitors

- 10 Pulsed LED's per channel
- 40 mm x 40 mm light aperture
- For large applications like 2D Dige Gels
- No reflection on target

- 1 Pulsed LED per spot
- 25 mm Light aperture
- Only for small applications
- Reflections on gels and glass

INTAS LED Cube excitation wavelength

1 2 3 = 4

- 470 nm / 30 nm
- 525 nm / 20 nm
- 628 nm / 35 nm
- 760 nm / 12 nm
- 670 nm / 20 nm

Relative Radiant Intensity [A.U]

0.8
0.6
0.4
0.2

380 430 480 530 580 630 680 730 780 830

Waveleangth [nm]

ALL-IN-ONE GEL AND BLOT IMAGERS

Chemiluminescence ■ UV Fluorescence ■ RGB Fluorescence ■ NIR Fluorescence
small, compact, modular, unmatched innovations and components

ChemoStar Touch 21.5"

Specifications

High-End camera with 6 or 9 MPixels. True 16 Bit scientific grade CCD sensor with 65.536 levels of grey for precisest quantification. Quantum efficiency 72% at 450 nm, optimized for chemiluminescence. Strong active cooling, ideal signal-to-noise ratio. Extremely fast lens F0.95 / 25 mm. Automatic lens control available. Image acquisition software optimized for touchscreen. User-friendly workflow with automated image capturing.

Includes the following features

- Touchpanel computer with 21,5" und Windows 10
- 4 USB ports and 1 x network port
- Auto-exposure, image sequences etc.
- 480mm x 440mm x 670mm (LxWxH)

Configure your own wavelengths

Pulsed High Power LED Cubes

Optional equipment

UV-Transilluminator

Blue Green LED

UV	BLUE	GREEN	RED	NIR
INTAS HDGreen+™	Alexa Fluor 488™	Alexa Fluor 546™	Alexa Fluor 680™	Alexa Fluor 790™
Midori Green Advance	Amersham Cy2™	Amersham Cy3™	Amersham Cy5™/Cy5.5™	Licor IRDye 800™
GELRED™	DyLight 488™	DyLight 549™	DyLight 649™	G-Dye400™
GELGREEN™	Pro-Q Emerald 488™	Pro-Q Diamond™	Licor IRDye 680™	
Ethidium bromide	Qdot 523™	Rhodamine™	G-Dye300™	
	G-Dye100™	G-Dye200™		

This is an example of compatible fluorophores, there are more useable fluorescence dyes than the ones in this list.
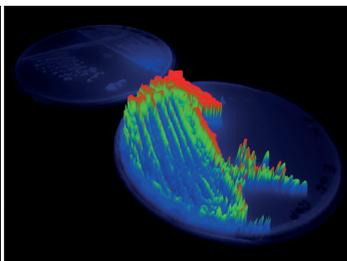
Intas Gel Documentation Systems

Intas presents the new Imager Series 4.0.
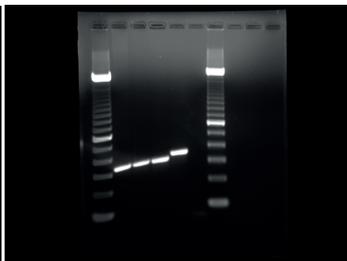small, compact, modular, unmatched innovations and components

Fluorescence
Gel Documentation
iDoc Imager
Blue LEDs

Intas Gel Documentation systems

Gel iX

HDGreen

Green LEDs

Gel Jet Imager
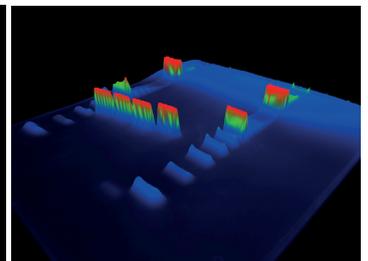Gel Stick Touch Imager
Scientific Grade Cameras
DNA RNA Dyes
DNA

GFP Coli bacterium:

GFP Coli bacterium 3D View:

HD-Green DNA Gel:

HD-Green DNA Gel 3D View:

GEL STICK Touch
THE SMARTEST STATE OF THE ART GELDOCUMENTATION

one click

Scientfic Grade Camera with 5.0 MPixels
Newly Developed Ultra High Speed Autofocus

15.6 or 21.5 Inch Capacitive Touchscreen

4 x USB, 1 x Network, Wifi Optional Possible

Touchscreen Optimized Capture-Software
with One Click Imaging Technology

EPI Blue LED Cubes 477nm

Intelligent Door Security System

UV-Transilluminator 312nm

Solid Metal Body

With the new Intas **GEL STICK Touch** you will acquire images of your samples in mere seconds with an unprecedented quality. The motorized autofocus will present pin sharp images in less than a second. To achieve this we developed a completely new imaging platform with its own algorithms and a camera module of the newest generation. The intuitive image acquisition software was specifically designed for the use with touch-screens but will still give you the functionality of a common desktop system. Also included are a consumables order menu, network save path configuration and an image viewer to manage your recorded images. All crucial adjustments for the image acquisition can be carried out both automatically and manually, including exposure time, focus, light source and zoom.

Specifications

- Scientfic Grade Camera 5 MPixels
- 12 Bit source signal / 4096 grayscales
- 16 Bit data saving / 65536 grayscales
- 15.6 or 21.5 inch touchpanel, PC not necessary!
- Touchscreen usable with gloves
- Save your files on USB flash drive, local HDD or network devices
- Ultra-high-speed motorized zoom lens
- Pin sharp in each zoom step
- One Click Imaging

- Predefined zoom steps
- Automated exposure time
- UV filter (Eth-Bromid, GelRed, HDGreen etc.)
- User friendly touchsceen solution
- Intelligent darkbox
- UV- or Blue/Green LED Transilluminator
- Band excision mode
- Epi-white light
- Epi-blue LED cube optional
- Connections: 4 x USB, 1 x network

Blue/Green Transilluminator

Thermo Printer

UV Transilluminator

Filter size: 20 x 20 cm or 21 X 26 cm

GEL JET IMAGER
STATE OF THE ART GELDOCUMENTATION

one click

Scientfic Grade Camera with 5.0 MPixels
Newly Developed Ultra High Speed Autofocus

Touchscreen Optimized Capture-Software
with One Click Imaging Technology

EPI Blue LED Cubes 477nm

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UV-Transilluminator 312nm

Solid Metal Body

intas GEL JET IMAGER

Everything that you love is combined in the new **GEL JET** . Automated, compact, powerful and still flexible. A sturdy and modular construction and also a great design. The intelligent new image acquisition software will control the sensitive cameras with 5 megapixel. Includes a fully extendable drawer for UV- or Blue-Green LED transilluminators.

Specifications:

- Scientfic Grade Camera 5 MPixels
- 12 Bit source signal / 4096 grayscales
- 16 Bit data saving / 65536 grayscales
- Ultra-high-speed motorized zoom lens
- Pin sharp in each zoom step
- One Click Imaging
- Predefined zoom steps
- Automated exposure time
- UV filter (Eth-Bromid, GelRed, HDGreen etc.)
- Intelligent darkbox
- UV-Transilluminator
- Band excision mode
- Epi-white light

Optional additional equipment

- Computer with Windows 10
- Screen 19" or 24"
- Digital thermal videoprinter
- White light LED screen
- Blue- or Blue/Green LED transilluminator
- Analysis-Software
- Blue/Green LED Transilluminator
- Epi-blue LED cube optional

Blue/Green Transilluminator

Thermo Printer

UV Transilluminator
Filter size: 20 x 20 cm or 21 X 26 cm

Blue- & Blue/Green- Transillumiator

• No DNA damage due to illumination • No "invisible" source of hazard • Long life span of LED light source

NEW

Mitsubishi K65 HM

Paper for thermal printers

Blue LED Screen

Mini transilluminator

Gel Hood

Basic gel documentation

Intas HDGreen +

- ■ High sensitivity
- ■ Safe alternative to ethidium bromide
- ■ Non toxic - non mutagenic
- ■ Easy to use
- ■ Compatible with:
  - ● UV transilluminator
  - ● BLUE transilluminator
  - ● Blue/Green transilluminator

No RISK
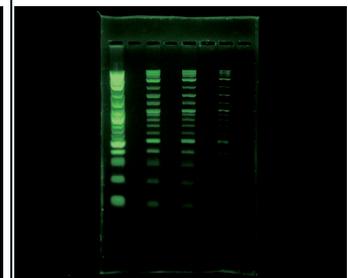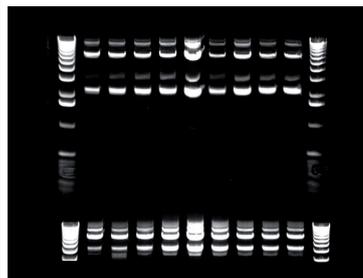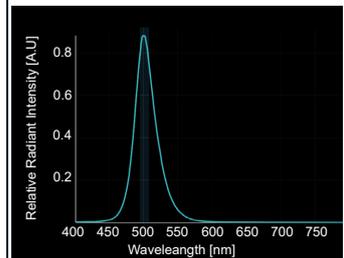
Blue Transilluminator

The revolutionary new Intas Blue illuminator is equipped with a newly developed light source that enables you to visualize fluorescent dyes like HD-Green and Gel-Red without the use of UV light. This way DNA damage can be avoided when cutting out bands while still being able to choose freely from all commercially available DNA dyes. The Blue illuminator will work perfectly with green fluorescent dyes like Intas HDGreen.

• **Illumination area: 15 x 19 cm**
• **Blue light for DNA**

Blue/Green Transilluminator

Intas new Blue/Green illuminator series guarantees an ultra-strong sensitivity with most commonly availabe fluorophores that can be excited between 490 and 515 nm, like Intas HDGreen Plus. No DNA damage will occur using this device. Cutting out bands was never so easy with the built-in amber screen. Extremely high homogenity of illumination is achieved over the complete working area.

• **Illumination area: 16 x 20 cm**
• **Cyan light for DNA**

All transilluminators can be integrated into our imaging systems!

NEW

PLANT IMAGER !

MADE IN GERMANY

The brand new Intas **PhytoJet Imager** is the perfect optical imaging system for the in vivo analysis of plants. This highly modular and easy to use whole plant imager brings you the perfect instrument for scientific research and stunning optical results. With its super-high-resolution RGB cameras you can acquire brilliant plant phenotyping images in two planes, while also having the choice of integrating fluorescence imaging capabilities for a variety of fluorophores, like GFP and YFP.

Specifications:

- Color Top Camera 5 MPixels
- Color Side Camera 5 MPixels
- 12 Bit source signal / 4096 grayscales
- 16 Bit data saving / 65536 grayscales
- 15.6 inch touchpanel, PC not necessary!
- Touchscreen usable with gloves
- Save your files on USB flash drive, local HDD or network devices

- Ultra-high-speed motorized zoom lens
- Pin sharp in each zoom step
- One Click Imaging
- Predefined zoom steps
- Automated exposure time
- User friendly touchsceen solution
- Connections: 4 x USB, 1 x network