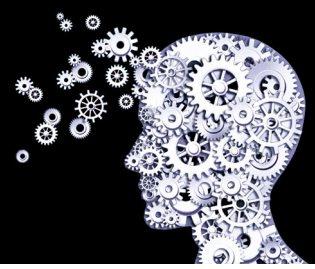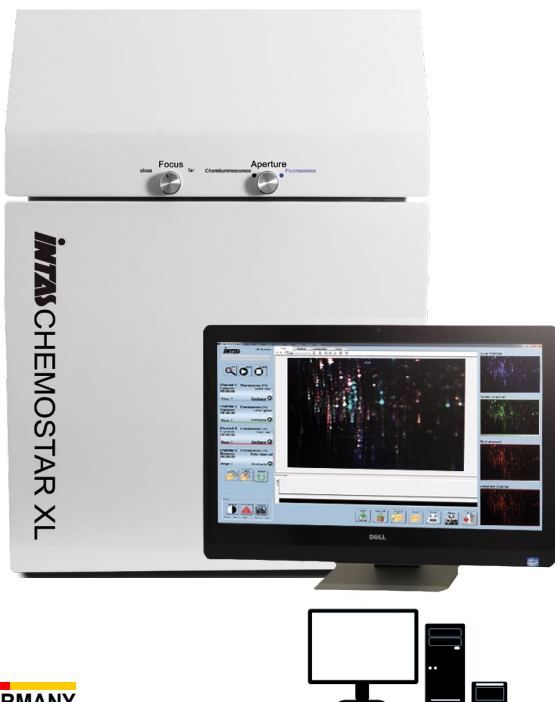# ChemoStar XL
2D Fluorescence Imager

- Production
- Construction
- Design
- Development
- Programming

ChemoStar XL is the powerful and versatile system for your everyday laboratory routine. The most sensitive camera on the market enables you with the documentation of classic Western blots in unseen quality. At the same time you will be able to use an almost incredible variety of fluorophores due to the flexible configuration of the fluorescence module. The ChemoStar XL imager will thereby be capable of detecting fluorescent Western blot signals as well as labelled protein samples in polyacrylamide gels directly in their glass cassette. Also, you can image 2D-DIGE gels with up to four different fluorophores. Furthermore you can include the optional UV unit for the documentation of agarose gels with DNA samples and a white light unit for the use with Coomassie or silver stained gels.

Specifications

High-End camera with 6 or 9 MPixel
True 16 Bit scientific grade CCD sensor
65.536 levels of grey for precisest quantification
QE 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
User friendly image acquisiton software
Automated image capturing mode

Optional additional equipment

- UV-transilluminator 20x20 cm 312 nm
- Windows 7 / 10 PC
- 19" screen with touch or keyboard and mouse
- Conversion screen from UV to blue or white light
- Blue- or Blue/Green LED transilluminator
- Analysis software

Applications:

- 2D DIGE Gels up to 21 x 27 cm
- Chemiluminescent Western blot documentation
- Fluorescent Western blots
- Smart Protein Layers
- Gel documentation of DNA-gels
- Digitalization of stained protein gels
- Excitation and visualization of plant parts marked with GFP

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