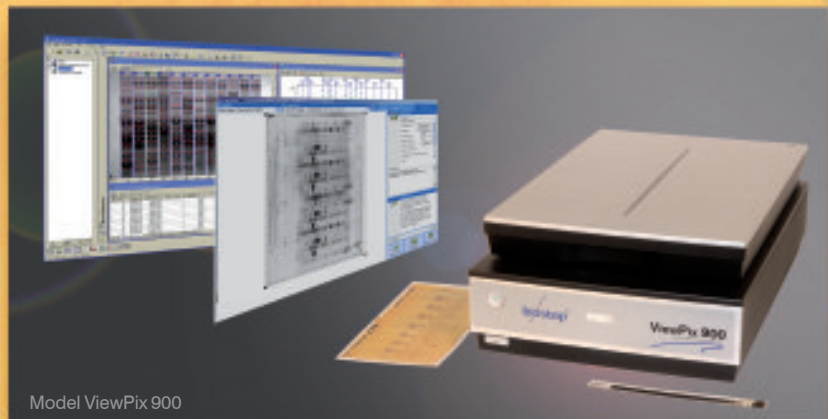


Scanner Systems

www.biostep.de
www.techne.de

**GxP-compliant densitometers
for the acquisition of
visibly stained samples**



For quality control
in food and
pharmaceutical industry

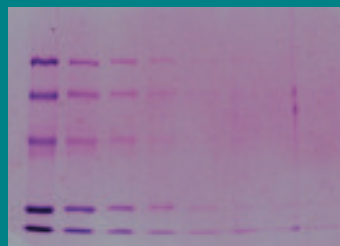
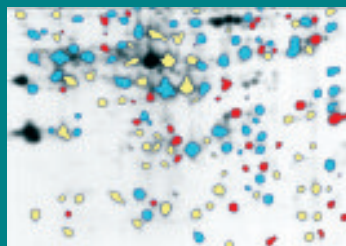
For quantification

For documentation of
colourimetrically stained
gels, blots, TLC samples

For colour and greyscale
acquisitions in reflectance
and transmittance mode

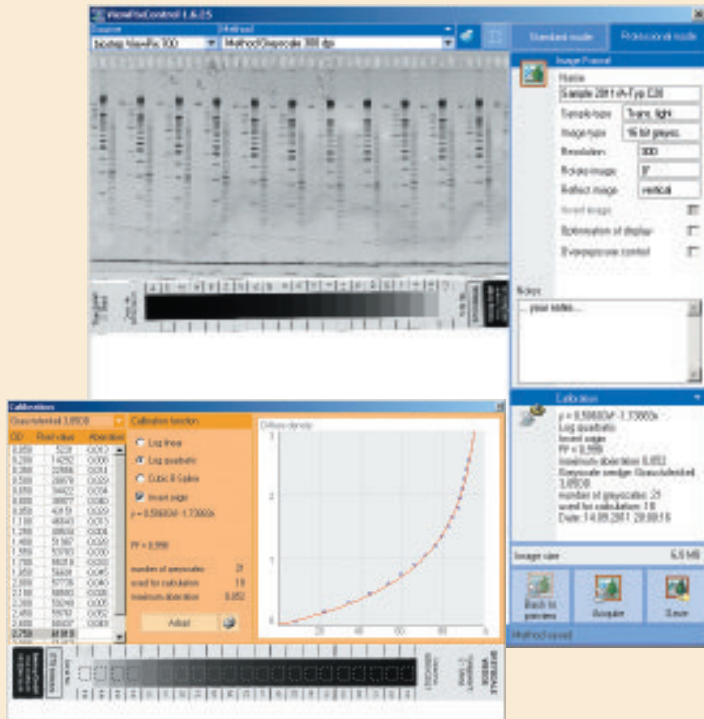
Advantages of the biostep scanner series ViewPix®

- Acquisition of samples in reflectance and transmittance mode as colour or greyscale image
⇒ optimally suitable for blots, TLC, gels, films
- Eminently suitable for wet gels
- Direct, method-based control of ViewPix® scanners via biostep® software
- Creation/storage of acquisition methods
- Colour channel separation: red, green, blue, white, freely definable
- Automatic and manual image optimisation
- Calibration with greyscale wedge incl. calibration report
- Creation/administration of several greyscale calibrations
- Archiving of all acquisition and calibration parameters to each sample image in an internal database (only ViewPix® 900/1300)
⇒ GLP-/GMP- and 21CFRpart11-compliant



Control Software for Scanners

ViewPix® Control for ViewPix® 700 and 1100*



- **Control of the system-compatible scanners ViewPix® 700 and ViewPix® 1100**
- Functional classification in **Standard** and **Professional mode**
- Functions for device control:
 - kind of sample (transmission, epi light)
 - type of image (8 Bit greyscales, 16 Bit greyscales, 24 Bit colour, 48 Bit colour)
 - resolution in dpi
 - brightness, contrast, gamma
 - colour channel optimisation (red, green, blue, white, freely definable)
 - setting of histogram
- Functions for image settings:
 - automated optimisation of display
 - rotate image (0°, 90°, 180°, 270°)
 - reflect image (normal, vertical, horizontal, horizontal and vertical)
 - invert image
- Intensity calibration with greyscale wedge, standard version
- Display of preview image
- Selection of the area to scan
- Acquisition of the image scanned; for greyscale images by applying the calibration function saved
- Display of saturation (overexposure control)
- Memory function

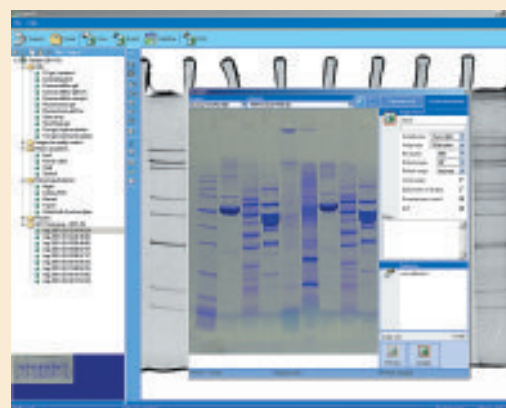
argusX1® incl. module Scanner Control for ViewPix® 900 and 1300*

Module Scanner Control

- **Control of the system-compatible scanners ViewPix® 900 and ViewPix® 1300**
- Functional classification of image acquisition in **Standard** and **Professional Mode**, analogous to **ViewPix® Control**
- Automatisations of the acquisition by creating individual, reproducible methods
- Acquisition of greyscale or colour images
- **Calibration of scanner** by calibrated greyscale wedge
- Storage of raw data image in a separate file with the optionally available module GLP

Basic licence* argusX1®

- **Integrated database for the administration of images**
- History for documentation of acquisition parameters to each image
- **Extensive search functions** based on various parameters including full text search in notes
- Functions for image processing incl. Undo
- **Overexposure control**
- Data export into other Windows® applications
- Creation of individual print reports
- User languages: German, English, Spanish, French



* More details at www.biostep.de



[Complete product range at www.biostep.de]

All prices are net, EXW Jahnsdorf. biostep GmbH reserves the right to change prices and technical features without prior notice.

Scanning Systems

ViewPix® 700/900

The systems **ViewPix® 700** and **ViewPix® 900** consist of each

- **A4-scanner incl. transmittance unit**
- **control software and**
- **transparent greyscale wedge for calibrating** the system

The difference of both systems is the equipment of the software as well as the type of greyscale wedge.

While **ViewPix® 700** is controlled by the software **ViewPix®Control** and contains a standard greyscale wedge, **ViewPix® 900** is controlled by **argusX1®**. A great feature here is the database function. In addition, this system is equipped with a calibrated greyscale wedge for quantification purposes.

Due to the sealing of the internal glass plates, the scanner is optimally suitable for the **use of wet gels**.

More details can be found on page 2 of this flyer or on our website www.biostep.de.

ViewPix® 1100/1300

The systems **ViewPix® 1100** and **ViewPix® 1300** consist of each

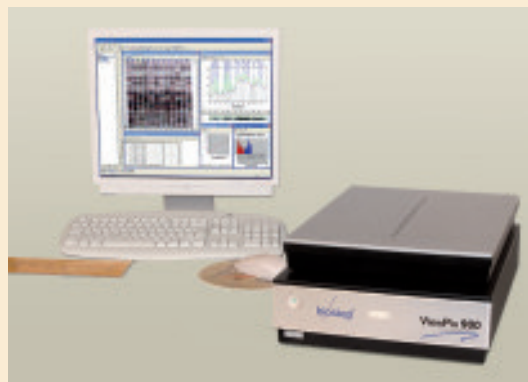
- **A3-transmission scanner with premium optics**
- **control software and**
- **transparent greyscale wedge for calibrating** the system

The difference of both systems is the equipment of the software as well as the type of greyscale wedge.

The high-quality optical detection unit guarantees a very **high scan quality** over the complete **A3 acquisition size**, which is especially advantageous for big templates such as autoradiograms and stained 2D protein gels. The efficient matrix CCD area sensor always ensures a precise greyscale repetition in a large dynamic range.

ViewPix® 1100 is controlled by the software **ViewPix®Control** and contains a standard greyscale wedge. The control of **ViewPix® 1300** is made by **argusX1®** incl. database functionality. A calibrated greyscale wedge is included in the scope of supply.

The scanner systems are **eminently suited** for the **use of wet gels**.



Technical data ViewPix® 700/900

Max. scan size:	transmittance: 19.7 x 23.7 cm reflectance: 20.9 x 28.5 cm
Max. resolution in dpi:	2,400 dpi (optic)
in μm :	10.58 μm (optic)
Spectral range:	430 - 745 nm
Max. dynamic range:	65,536 greyscales (16 Bit) 281.5 E12 colours (48 Bit)
Max. optical density:	3.8 OD



Technical data ViewPix® 1100/1300

Max. scan size:	transmittance: 29.4 x 40.5 cm reflectance: 29.5 x 42.2 cm
Max. resolution in dpi:	2,400 dpi (optic)
in μm :	10.58 μm (optic)
Spectral range:	430 - 745 nm
Max. dynamic range:	65,536 greyscales (16 Bit) 281.5 E12 colours (48 Bit)
Max. optical density:	3.6 OD

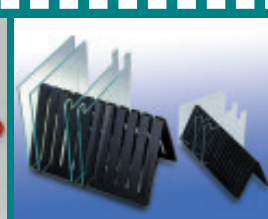
ViewPix® 700 incl. ViewPix®Control

ViewPix® 900 incl. argusX1®/Scanner Module

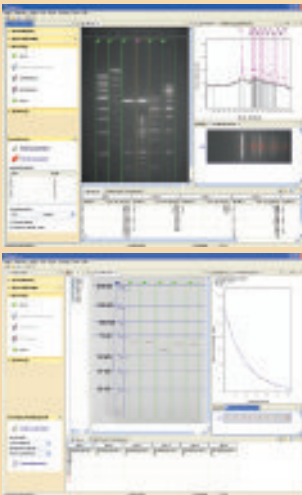
ViewPix® 1100 incl. ViewPix®Control

ViewPix® 1300 incl. argusX1®/Scanner Module

PC System Standard



Analysis Software



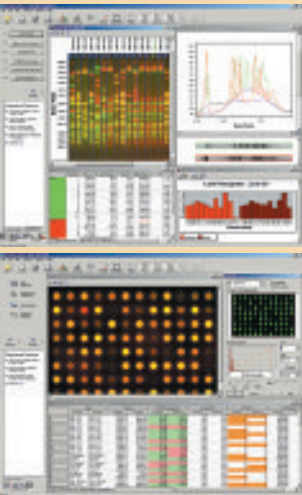
Efficient 1D gel analysis software Gelix One®

- Import of images of the most commonly used formats, e.g. tif, jpg, bmp, png
- Manual and automatic lane detection (Gelix One® 210 only manually)
- Up to 5 functions for background subtraction (1 function in V. 210; 3 in V. 220)
- Manual and automatic band detection (Gelix One® 210 only manually)
- Rf-calibration for each position between **Start** and **Front** (only in Gelix One® 230)
- Molecular weight determination and normalization
- 3D display (only in Gelix One® 230)

Gelix One® 210

Gelix One® 220

Gelix One® 230



Professional 1D gel and array analysis software Phoretix®

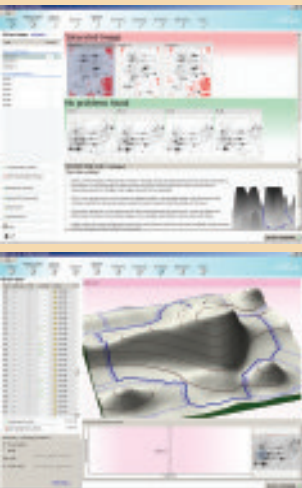
Four modules for a cross-functional analysis

- Module 1D electrophoresis gels
⇒ fully automated and manual evaluation by multiplex-analysis (4 channels)
- Module Arrays, Dot Blots, Microtiter plates
⇒ analysis of grid structures up to 48 x 32 by multiplex-analysis (4 channels)
- Module for colony counting and capture of 2D spots
⇒ automated detection and calculation
- Module TLC, autoradiographies, unspecific structures
⇒ freely definable lines and areas

Phoretix® TotalLab Quant, single licence

Phoretix® 1D, single licence

21 CFR Part 11 module for Phoretix® 1D and TotalLab



Powerful 2D software Phoretix Prodigy SameSpots

- Quality check of imported gel images for overexposure, dynamic a.o.
- Selection of individual areas for analysis
- Fully-automated, optimized spot detection
- Functions for automated reduction of artefacts
- Automated match and alignment function based on manual assignment of 21 spot pairs per gel
- Efficient warping function with modern visualisation instruments
- Comprehensive functions for filtering and display of results of relevant spots (e.g. expression profiles)
- 3D display of single spots incl. flexible view

Phoretix Prodigy SameSpots, single licence

Module 2D DIGE for Phoretix Prodigy SameSpots

BIG Partner

Best products for Life Sciences & Health Care

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