



- Complete photo documentation system
- Allows to save images on a USB key without the need of a computer
- Can be used with any type of UV table
- Gel visualisation on a large high resolution LCD screen
- Highly sensitive CCD camera
- 12 bit imaging
- Pixel saturation warning
- Compact and robust darkroom
- All necessary information to ensure optimum quality of your image
- Supplied with free software

The E2052 is an easy to use and affordable photo documentation system for any laboratory even those without darkroom facilities.

It replaces the traditional cameras, which are less performing and more expensive compared to the print cost.

→ UV table is not included in the E2052!

- **Electronic control box**

Extra large B/W TFT screen (8 inch) allows to view the images before printing.

Integration time control (10 presets).

The images can be saved on a USB key for export to a computer or to print on a digital thermal printer (USB) for instant hard-copy images.

Displays the integration time on the TFT screen.

Electronic circuit with microprocessor controls the integration time and the power supply of the camera.

- **Hood with camera**

Hood in thermoformed ABS equipped with high sensitivity CCD monochrome camera, zoom and UV/IR interference filter.

Resolution: 1360x1024 pixels.

Pixel depth: 12 bit, 4096 grey levels.

High sensitivity of DNA/protein fluorescence detection.

UV/IR interference filter: type F590.

Gel size: max. 180x240 mm / min. 30x40 mm.

- **Software**

The E2052 is supplied with a complementary software to perform analysis such as molecular weight, band quantification, colony counting and distance calculation.

It also includes image enhancement features to enable editing of comments, inversion, contrast/brightness adjustment as well as colorimetry.

Designed by molecular biologists, our software is intuitive and very easy to use: just a few clicks are necessary to obtain sophisticated results.

Captures and stores the images in different formats (TIFF, BMP, JPEG, PICT, PCX, GIF, Targa,...).

Enables to add text or symbols in the images.

Rotates, mirrors or inverts images.

Allows to adjust brightness and contrast.

Automatically identifies bands and lanes.

Defines and saves markers.

Calculates the molecular weight for all the detected bands.

Calculates the volume, area and intensity of all the detected bands.

Counts colonies.

Allows to print results on a laser printer or ink jet printer.

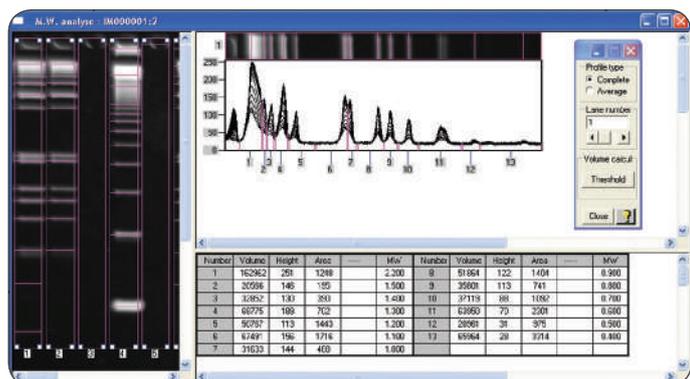
HELP function.

CODE	DESCRIPTION
E2052	Photo documentation comprises camera + extra zoom lens 2D + F590 filter + hood + electronic control box + camera cable + software

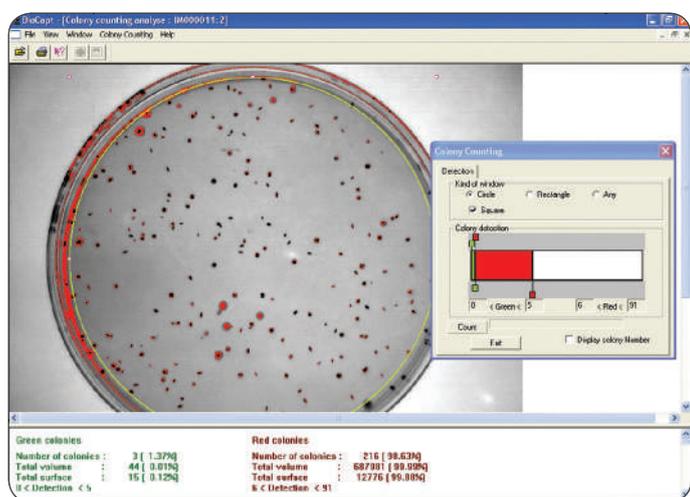
Accessories

CODE	DESCRIPTION
E2721	UV table, 312 nm, 20x20 cm (recommended)
E2991	UV/WL conversion screen, 250x295 mm

This free software is supplied with the E2052. It comprises four main components: image enhancement, molecular weight, band quantification, colony counting.



Volume, height, area and MW are given lane by lane for each band.



The colony counting module allows the calculation and the characterisation of colonies.



Text and symbols can be inserted on the image. Date, time or image name can also be stamped for printing or archiving purpose.

SPECIFICATIONS
Editing of comments and symbols
Date, time or image name stamping
Image inversion
Brightness and contrast adjustment
90 degree clockwise rotation
Horizontal or vertical mirroring of the displayed image
GLP compliance
Automatic band detection
Lane profile display
Molecular weight or pH (IEF) value calculation
Marker's migration curve display and adjustment
Volume, height and area calculation
Colony counting

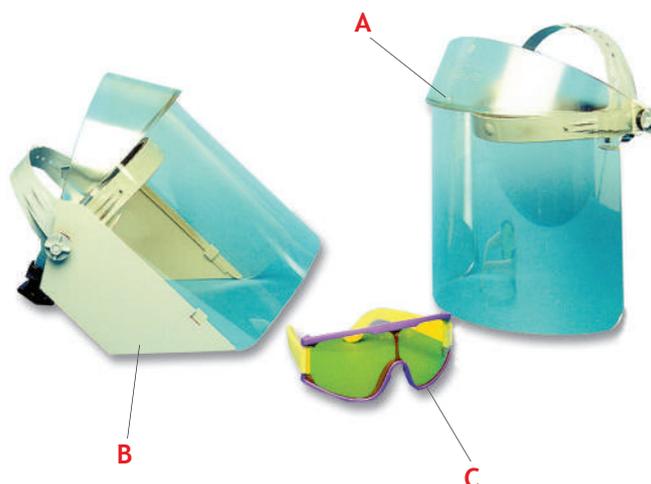
UV protected glasses and face shields

Lamps are a powerful source of UV radiation. Short (254 nm) and medium (312 nm) wavelengths are dangerous for unprotected eyes and skin. Long (365 nm) wavelengths could affect sensitive persons or people under medical treatment.

Therefore, it is strongly recommended that users protect themselves against UV radiation by wearing glasses or face shields.

- E2911 is recommended for protection of the eyes and the face.
- E2912 has two lateral protections to cover the operator's ears in addition to his eyes and face.
- E2913 are comfortable and efficient glasses for total protection of the eyes.

CODE	DESCRIPTION
E2911	UV face shield (A)
E2912	UV face shield with lateral protection (B)
E2913	UV glasses (C)



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