

chemiLITE is an optimised dedicated chemiluminescence imaging system that allows the detection of target proteins on Western blots with greater sensitivity than films and more than double the dynamic range.

chemiLITE offers the perfect solution for users that requires a chemiluminescence system at an affordable price without compromising on the quality and sensitivity of the results. This chemiluminescence system is highly suitable for groups that perform Western blots routinely.



#### ADVANCED LENS

The F/0.95 fixed focus lens gives optimum image quality

#### HIGH QUANTUM EFFICIENCY CAMERA

4 MP, effective 16MP, cooled CCD camera for superb spatial resolution and double the dynamic range of film

#### SUPER LOW COOLING

Peltier cooling with exceptional signal to noise performance allows long exposure times. Both weak and strong chemiluminescent bands can be detected on one crisp image, without any annoying background noise.

#### WHITE LIGHT

To position blots and detect coloured markers, chemiLITE features overhead, long-life white LED EPI lighting

#### SLIDE-OUT DRAWER

The automatic slide-out drawer saves bench space and allows the easy positioning of blots. Its magnetic lock ensures that the darkroom is completely light-tight, resulting in perfect image capture every time.

#### PC CONTROL

chemiLITE easily connects to the user's choice of computer offering great flexibility

## workflow

- WesternFlowLITE includes Mini Vertical System CVS10DSYS, powerPRO 300 power supply, semi-dry blotter SD10, reagents and chemiLITE imaging system



### TECHNICAL SPECIFICATIONS

CAMERA	
IMAGE RESOLUTION (MEGAPIXELS)	4
EFFECTIVE RESOLUTION (MEGAPIXELS)	16
A/D	16 BIT
GREYSCALE	65,536
QUANTUM EFFICIENCY (@ 425NM)	73%
LENS (MOTOR DRIVEN, FIXED FOCUS)	F/0.9
COOLING	PELTIER
FIXED STAGE	TRUE LENS IMAGING
USE WITH EXTERNAL PC AND PRINTER (NOT INCLUDED)	YES
ILLUMINATION	
EPI LED WHITE LIGHTS	YES
DIMENSIONS	
MAX IMAGE AREA (CM)	11 x 8
MIN IMAGE AREA (CM)	11 x 8
W x H x D (CM)	37.5 x 44 x 43
WEIGHT (KG)	APPROX. 20
POWER INPUT (V)	100-240

### ORDERING INFORMATION

**chemiLITE** Chemiluminescence Detection System 100-240V includes acquisition and analysis software

**WesternFlowLITE\*** Complete Western Blotting Workflow solution including vertical gel tank, semi-dry blotter, power supply, reagents and chemiLITE chemiluminescence imaging system