

# Colour Markers Image Capture - Quick Guide

GeneSys offers a new feature permitting chemiluminescence imaging with an automatic overlay function. This feature allows the simultaneous imaging of a chemiluminescence sample and a coloured molecular weight marker.

The overlay picture presents the marker in colour and will be useful for estimating the size of detected proteins and to help orient the membrane.

This new feature is available for all chemi captures (Chemi Rapid, Chemi Blot (single image), Chemi Blot (series) and Signal Accumulation Calculator).

To be able to image colour markers you will need the following equipment;

- Chemi enabled system (N.B. Colour markers are not available on the GeneGnome XRQ system)
- Filters UV06/032, Filt525 and FiltGreen1 (if filt525 is not available).

## Software set-up

### 1. Start GeneSys software

Each user can enter a name or title for their own individual User preferences.

### 2. Home screen

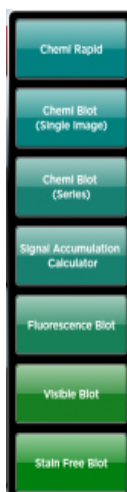
Select Blots from the home screen.



### 3. Sample selection

Choose your sample format from the drop down list.

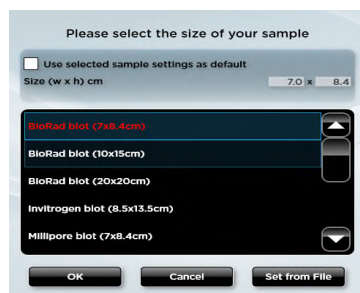
Select either Chemi Blot (Series) or Signal Accumulation Calculator.



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## 4. Sample size


Select your sample size from the drop down list. If the manufacturer of your gel/membrane is not listed please select Custom to add in your own size.




## 5. Sample positioning

Use the Lens Control slider bars to adjust the focus, iris and zoom.



**Focus**  - move the slider bar towards the +/- to improve focus.

**Zoom**  - allows you to enlarge the image. Zoom in so that the sample fills the image window for maximum resolution

Close the door to initiate preview capture.

## 6. Visible Marker

Check the 'Use Visible Marker' box and then check the 'Marker is Colour' box to capture a visible marker image.



## 7. Capture

To capture an image select the 'Capture' button. To stop a capture at any time select the 'Stop' button.

