

ChemiFast

The new substrate from Syngene designed for use with CCD cameras and featuring longer signal duration and higher sensitivity.



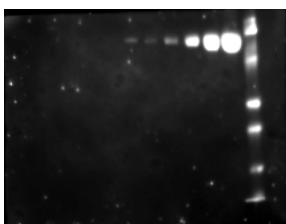
Syngene has pioneered the use of CCD based imaging systems for chemiluminescence applications for many years. Now for the first time we have introduced a substrate specifically configured for use with cooled CCD based imaging systems which is optimised for high sensitivity and long signal duration. The new ChemiFast substrate will produce a signal which is stable for several hours, enabling the user to make multiple camera exposure if desired.

The main advantage of a CCD camera over film is that you have higher sensitivity and larger dynamic range than a film-based process meaning that it is now possible to quantify blots. This in conjunction with Syngene's new GeneSys software has optimised both reagent and image capture. The fact that ChemiFast has a strong output intensity and also remains stable over a longer period than that of a film-based product just makes it even better. High emission intensity of up to 24 hours is possible with ChemiFast.

Features of ChemiFast:

- **High sensitivity - can reach femtogram level detection. Enables you to find all those bands;**
- **Low concentrations - ChemiFast requires only very diluted antibody concentration. Cost for cost, this enables you to produce many more blots than other substrates;**
- **Longer duration - ChemiFast will work up to 24 hours which is about 10 times longer than with many other substrates;**
- **High output - the very intense signal output makes it easier for CCD camera detection;**
- **Stability - ChemiFast has a shelf life of 12 months;**
- **Image of western blot using ChemiFast substrate.**

Image was captured using a G:BOX Chemi XR5 system. The image was captured for an exposure time of 1m 29s. From right to left the following concentrations of BSA were loaded on to the gel 1024ng, 512ng, 256ng, 128ng, 64ng and 32ng.



Part numbers: CHFAST-20 (10ml Chemifast Enhancer and 10ml ChemiFast Peroxide Buffer)
CHFAST-100 (50ml ChemiFast Enhancer and 50ml Chemifast Peroxide Buffer)