

**NEWS RELEASE - FOR IMMEDIATE RELEASE****Date: 14.05.04****-Copy Starts-****New Application for ChemiGenius<sup>2</sup>  
Offers Inexpensive Method of Analysing Proteomics Gels**

**Cambridge, UK:** Syngene, a world-leading manufacturer of image analysis solutions, is pleased to announce its ChemiGenius<sup>2</sup> multi-functional image analysis system can be used to detect and analyse the sensitive protein stains, Deep Purple™ and Sypro® Ruby. This will benefit users looking for an affordable, time saving method of automating their gel-based proteomics studies.

Imaging Deep Purple and Sypro Ruby fluorescent dyes is possible with a ChemiGenius<sup>2</sup> because its high performance camera detects a wide range of dyes that have UV excitation peaks. Additionally, since the ChemiGenius<sup>2</sup> darkroom is fitted with a filter wheel, white light pad with optional dual wavelength transilluminator, as well as overhead white and epi-UV light, it is easy to achieve the right illumination conditions for these and many other protein and DNA dyes.

After careful research, Syngene's technical team found using a long wave transilluminator and UV filter produced optimum results for Deep Purple stained gels. For those stained with Sypro Ruby, a medium wave transilluminator and UV filter or medium wave transilluminator with a Syngene blue light converter and Syngene SG03 filter generated the best images.

The commonly used method for detecting Sypro Ruby and Deep Purple stained proteins is laser-based scanners but these are expensive and many cannot detect traditionally used visible proteomic stains, such as Coomassie® Blue or Silver. However, by using the ChemiGenius<sup>2</sup> with a white light pad and Syngene neutral fielding correction, the system can image both of these dyes with ease.

Laura Sullivan, Syngene's Divisional Manager said: "We are excited that the ChemiGenius<sup>2</sup> can rapidly detect more sensitive fluorescent protein dyes, as well as standard visible ones. Its versatility makes the ChemiGenius<sup>2</sup> an excellent, cost-effective alternative to laser-based scanners and will prove invaluable for a range of proteomics gel applications."

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