

**To:**

Fluorotechnics Pty Ltd  
Building E8C  
Macquarie University

Friday, 9 May 2008

**Testimonial for LavaBlue**

We have successfully employed LavaBlue to rapidly quantify amounts of secreted recombinant protein isoforms present in fermentation medium. Liquid-based quantification systems cannot be used to accurately determine yields due to the presence of peptides in the medium, and also the presence of other non-recombinant secreted proteins. We have tried commercial or home-made versions of colloidal Coomassie Blue but failed to obtain useful results due to its relatively low sensitivity and nonlinear staining characteristics.

We have tested LavaBlue for its sensitivity and linear dynamic range in experiments to quantify protein in bands of interest. We used a standard UV transilluminator gel documentation system to image LavaBlue-stained SDS-PAGE gels for immediate densitometric analysis and quantification of the individual protein bands. LavaBlue generated superior results to CBB in both sensitivity and linear dynamic range so that we were able to accurately quantify the target protein bands. We also found that the LavaBlue staining protocol was rapid (2.5 hr) and convenient, and could be extended overnight, fitting well into our work-flow.

I would recommend LavaBlue as a superior quantitative alternative to traditional CBB staining of 1D SDS-PAGE.

Dr. Moreland Gibbs

Applimex Systems Pty Ltd