gelcompany

Suitable for 1-D and 2-D gels

Sensitive, 2.5 ng Protein per band

2-orders of linear dynamic range

Cost effective fluorescent stain

Safe to Use
No acetic and methanol or phosphoric acid

Ready to use

Simple & Fast Protocol - 2.5 h

No expensive scanner
Image with a standard transilluminator systems

MS Compatible

No heating

# LavaBlue™ - The fluorescent alternative to colloidal Coomassie™ Blue

# LavaBlue™ - The Fluorescent Alternative to colloidal Coomassie Blue

LavaBlue is a cost effective fluorescent stain for 1-D and 2-D protein gels, developed as an alternative to Coomassie Blue stain. LavaBlue staining protocol is fast, simple and flexible, achieving benefits such as high sensitivity and linear dynamic range of proteins in 1-D SDS-PAGE over traditional colorimetric stains.

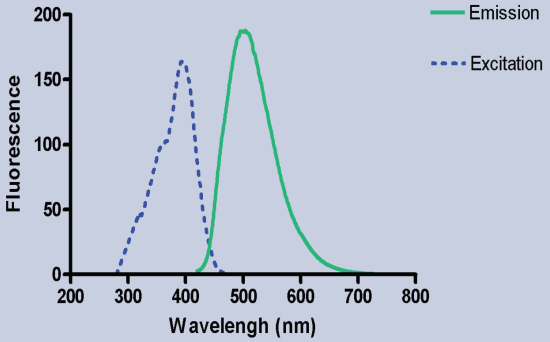



Figure 1. Fluorescent Profile of LavaBlue

## Benefits

- Fast results 2.5 h
- More sensitive (2.5 ng/protein band) than Coomassie
- Better linear dynamic range (2 orders) than Coomassie
- Compatible with downstream applications
- Simple 3-step protocol
- Image with commonly available UV-transilluminator based systems, e.g. Polaroid® and CCD
- No messy preparation, ready-to-use reagent that can be stored on the bench
- No noxious fumes or corrosive agent

## 1-D gel staining: highly sensitive and linear dynamic range

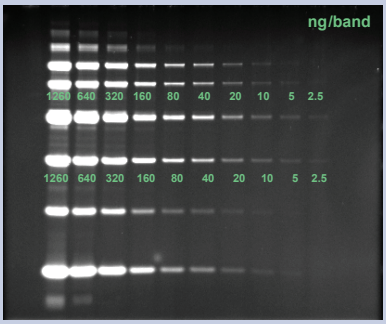
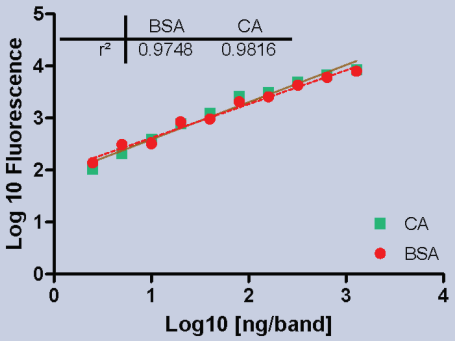



Figure 2. CCD camera




Alternative stain to colloidal Coomassie Blue

## 2-D gel (chicken egg yolk extract) staining: more information

### LavaBlue

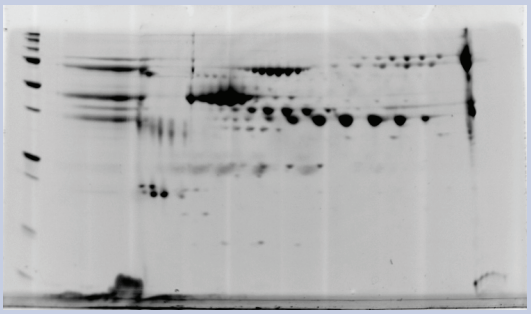


Figure 3. G:BOX CCD camera generated image
(Ex/Em = UV/500-600 nm)
Staining protocol : Ready-to-use LavaBlue
Fix 1 h
Stain 1 h
Enhancement 0.5 h

### Colloidal Coomassie Blue

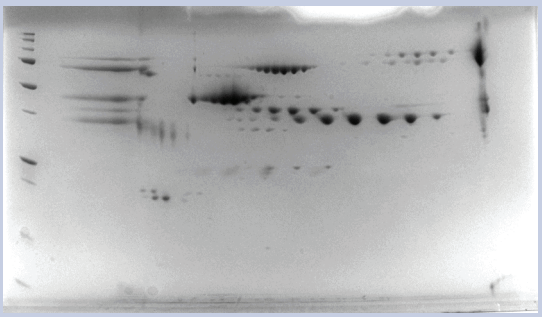


Figure 4. G:BOX CCD camera generated image
(Upper light/no filter)
Staining protocol : colloidal Coomassie preparation
Stain 3 h
Destain 2 - 5 days

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Contact us for further details.



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