

Stain-Free Western Blotting Workflow

Enhance your entire **Western blotting process** with Bio-Rad's Stain-Free technology. From efficient **protein separation** and **transfer** to easy post-transfer imaging and precise target detection, this workflow ensures accurate results without the hassle of staining or reprobing.



Separate Proteins

Speed with flexibility:
TGX Stain-Free Gel chemistry is available in both precast and handcast formats.

Mini-PROTEAN® Tetra Cell and PowerPac™ Basic Power Supply

4–20% Mini-PROTEAN® TGX Stain-Free™ Protein Gels, 10 well, 50µL

Visualise Protein Separation

Coomassie-like performance with no background variability, and no need for staining or destaining.

ChemiDoc Go Imaging System



Contact your **Lasec® Sales Representative** today.

Ts & Cs apply

+27 21 531 7504 sales@lasec.com www.lasec.com



Protein Transfer

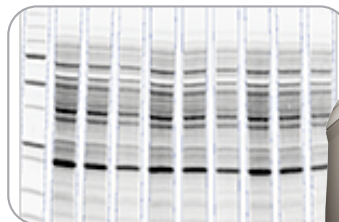
- Fast, efficient, and uniform protein transfer
- Transfer 4 mini or 2 midi gels simultaneously
- Choose from ready-to-use transfer packs (nitrocellulose or PVDF)

**Trans-Blot® Turbo™
Transfer System**



Assess Transfer Efficiency

Quickly verify the quality of transfer by imaging gel post-transfer.



ChemiDoc™ MP Imaging System



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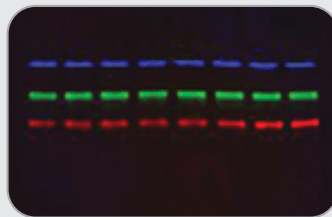


Normalise Total Protein and Analyse Western Blot Data

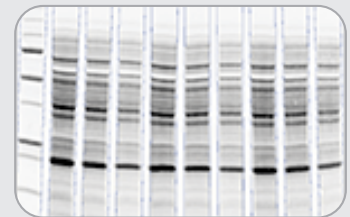
Use western blot-validated, highly specific PrecisionAb Primary Antibodies and our StarBright Blue Fluorescent Secondary Antibodies to detect multiple targets on the same blot.



Total protein detection with chemiluminescence



Total protein detection with fluorescence



Stain-free blot (from step 4) for normalisation

Benefits of using Stain-Free blot image as total protein loading control

- Eliminates the need to strip, reprobe and cut the blot
- More precise normalisation versus traditional methods which use a single housekeeping protein
- Produces reliable and accurate quantitation

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