

AdvanStain™ Iris

High sensitivity stain for nitrocellulose and PVDF membranes

AdvanStain Iris is a rapid and sensitive alternative to Ponceau S stain for protein detection on Nitrocellulose and PVDF membranes after transfer from polyacrylamide gels. The dark blue color provides a high contrast which facilitates the acquisition of visible images. The dye may also be imaged with epi blue light.

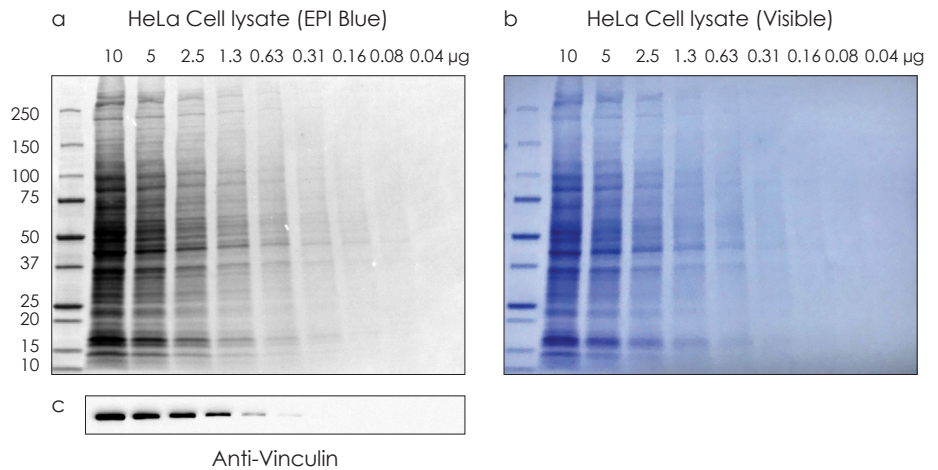


Advantages

- **SENSITIVE** – detect as little as 2–10ng per band
- **RAPID** – detect proteins in 20 minutes or less
- **COMPATIBLE** – Western blot ready, no destaining required

Flexible imaging, no destaining required

Figure 1. AdvanStain Iris demonstrates high sensitivity staining of HeLa lysate, no destaining is required prior to analysis by Western blot. AdvanStain Iris stain was applied to a nitrocellulose membrane for 10 minutes followed by a full Western blotting detection. (a) EPI Blue image (b) Visible image. (c) Western blotting detection of Vinculin: after staining, the membrane was blocked then probed with mouse anti-Vinculin (Boster #MA1103) followed by Goat anti-Mouse HRP (Advansta #R-05071-500). The Western blot was developed with WesternBright™ ECL Substrate (Advansta #K-12045). Protein bands were observed by Iris staining in the lane as low as 80ng load of total protein. Staining by Iris did not cause any interference with Western blotting detected by chemiluminescence.



Maximum sensitivity

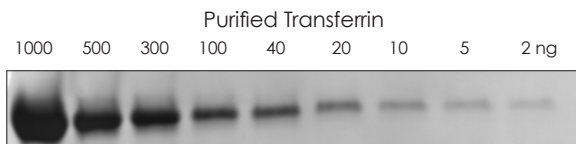


Figure 2. High sensitivity stain detects as little as 2 ng of purified protein per band. Dilutions of purified transferrin protein were electrophoresed using SDS-PAGE and the protein was transferred to a nitrocellulose membrane, then stained with AdvanStain Iris for 10 minutes. Image was acquired with EPI Blue light.



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Outperforms Ponceau S

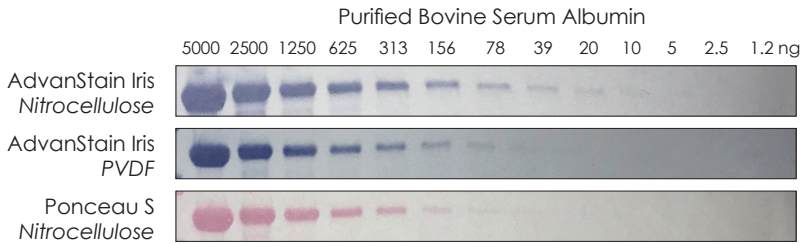
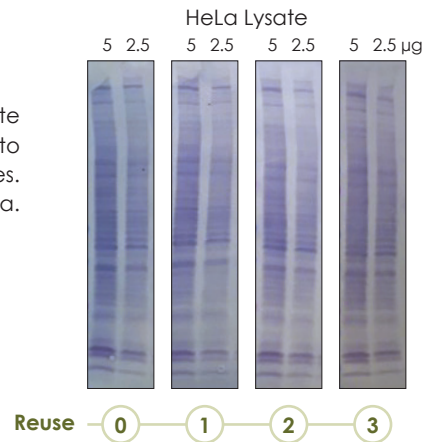


Figure 3. AdvanStain Iris is significantly more sensitive when compared to Ponceau S and is compatible with PVDF membranes. Dilutions of purified BSA protein were electrophoresed using SDS-PAGE and the protein was transferred to a nitrocellulose or PVDF membrane then stained with AdvanStain Iris for 10 minutes or Ponceau S for 5 minutes after a 10 minute water rinse. Images were acquired with visible light.

Re-use up to 3X

Figure 4. AdvanStain Iris may be re-used three times. Dilutions of HeLa Lysate were electrophoresed using SDS-PAGE and the protein was transferred to a nitrocellulose membrane then stained with AdvanStain Iris for 10 minutes. The staining solution was re-used three times to generate comparable data. Images were acquired with visible light.



Ordering Information

Catalog Number	Product	Size
541120	AdvanStain™ Iris	250mL



Related Products

541040	Pre-cut WesternBright® PVDF-FL, 7x9 cm	10 sheets
541045	Pre-cut WesternBright® PVDF-FL, 10x15 cm	10 sheets
541046	Pre-cut WesternBright® PVDF-FL, 13x18 cm	10 sheets
541041	Pre-cut WesternBright® NC 0.45 µm, 8x10 cm	10 sheets
	Pre-cut WesternBright® NC 0.45 µm, 6x8.5 cm	25 sheets
541042	Pre-cut WesternBright® NC 0.22 µm, 8x10 cm	10 sheets
	Pre-cut WesternBright® NC 0.22 µm, 6x8.5 cm	25 sheets

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