

## Features

- **Sensitive** – detect less than a nanogram of protein per spot or band
- **Convenient** – simple 3-hour protocol
- **Flexible** – stain gels or membranes
- **Reversible** – destain for downstream Western blotting or mass spectrometry
- **No speckling** – clean background and no speckling for better data
- **Environmentally friendly** – biodegradable and contains no heavy metals for increased safety and simple disposal
- **Compatible** – image with a UV transilluminator or any laser or CCD imaging system.



## For More Information

including a more detailed protocol, visit [www.advansta.com/AdvanStain\\_Scarlet](http://www.advansta.com/AdvanStain_Scarlet) or go directly to the web-page by scanning the QR-code with your favorite bar-code scanner app on your smart phone.

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# AdvanStain™ Scarlet™

Fluorescent total protein stain for gels and blots

## For Catalog Numbers

**K-11072-B50** AdvanStain Scarlet Kit, 5 ml

**K-11072-C25** AdvanStain Scarlet Kit, 25 ml



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## Description

AdvanStain Scarlet provides sub-nanogram sensitivity with a quick, 3-hour protocol. This total protein stain is quantitative, nontoxic, and fully compatible with downstream applications including Western blotting and mass spectrometry.

## Quick Protocol

**Preparation of Solutions:** The amount of reagents in each packet of AdvanStain Powder A or B is sufficient to prepare 1 L of solution. To prepare larger volumes, use more than one packet.

1. **Fix Solution:** Add the contents of one AdvanStain Powder A packet (10.1 g) to 850 ml of high-purity water (distilled, Milli Q, or equivalent) in a 1 L bottle. Add 150 ml 100% ethanol and mix thoroughly.
2. **Stain Buffer:** Add the contents of one AdvanStain Powder B packet (23.4 g) to 1 L of high-purity water in a 1 L bottle. Dissolve completely.
3. **Wash Solution:** Mix 850 ml high-purity water and 150 ml 100% ethanol in a 1 L bottle.

**Gel Staining Protocol:** For correct volumes at each step, refer to Table 2 in the AdvanStain Scarlet User Manual found on [www.advansta.com](http://www.advansta.com).

1. **Fixation:** Following electrophoresis, fix the gel in Fix Solution with gentle agitation for 1 hour.
2. **Staining:** Remove AdvanStain Scarlet Dye from freezer and allow it to come to room temperature. **Immediately prior to staining**, prepare Stain Solution by diluting 1 part of AdvanStain Scarlet Dye in 200 parts of Stain Buffer. Mix well. Transfer the gel to a clean container with Stain Solution. Minimize carry-over of the acidic Fix Solution. Stain with agitation for 1 hour. **Do not stain for more than 2 hours.**
3. **Washing:** Decant the Stain Solution, and rinse the gel with high-purity water. Place the gel into a clean container, and wash it in Wash Solution with agitation for 30 minutes.
4. **Acidification:** Remove the gel from the Wash Solution and acidify by placing it in Fix Solution. Agitate for 30 minutes.

**Imaging:** Compatible excitation wavelengths include green (543, 532 nm), blue (488 nm), violet (405 nm), and UV (302/365 nm). Maximum emission wavelength is 610 nm. See User Manual for recommended imaging conditions.

