

REF 31195



SMART-Pro™ Staining Solution

KEY FEATURE

- **High Sensitivity:** Capable of staining even faint protein bands clearly, ensuring precise analysis.
- **Rapid Staining Time:** Completes staining in a short time, saving valuable laboratory hours.
- **Rapid and simple protocol:** The easy-to-use protocol minimizes hands-on time and streamlines your Western blotting workflow.
- **High Reproducibility:** Delivers consistent results, enhancing the reliability of your experiments.

GENERAL USE

- Within 1 hour after stain, can observe without destain.

*For research purpose only.
Not for use in diagnostic procedures for clinical purposes.*

DESCRIPTION

The SMART-Pro™ Protein Staining Solution is a highly sensitive and efficient reagent designed for protein staining in polyacrylamide gels. This reagent can stain proteins in SDS-PAGE gels without the need for separate destaining or washing steps, and it is formulated for immediate use.

- **No Destaining Required:** The staining process can be completed in just a few minutes without the need for a separate destaining step, which helps to reduce the overall experiment time.
- **High Sensitivity:** The reagent can detect even low concentrations of proteins, allowing for the effective visualization of small sample amounts.
- **User-Friendly:** The ready-to-use reagent can be used immediately after opening the package.
- **Low Background Staining:** The reagent binds specifically to proteins, minimizing the background staining of the gel and providing clear, distinct protein bands.
- **High Reproducibility:** The staining results are consistent and reliable, with minimal variation between experiments.
- **Safety:** The reagent can be used relatively safely by following standard laboratory safety procedures.

KIT CONTENTS

| Component | Amount |
|------------------------------|-------------------|
| SMART-Pro™ Staining Solution | 250 ml X 2 bottle |

STORAGE

- Stable for up to 24 months at room temperature.

REQUIRED MATERIALS BUT NOT PROVIDED

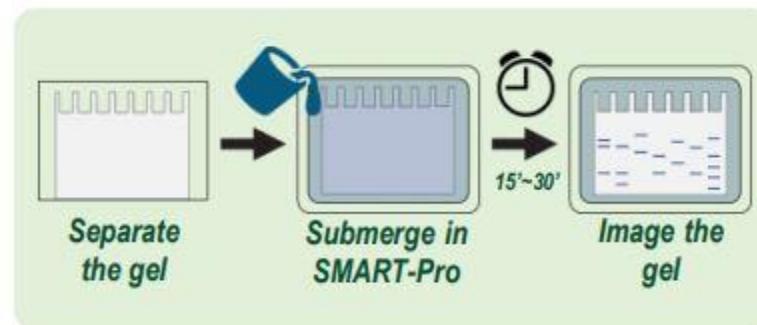
- Container : box for gel staining, bottle for reagent dilution.
- Shaker: orbital or rocking shaker

NOTICE BEFORE USE

- There is no risk of excessive staining. Instead, superior visibility for each band is achieved when the gel is submerged overnight.
- Carefully mix SMART-Pro™ Staining Solution up and down few times before use.
- If the gel is thicker than mini-gel (1mm), it will take longer to incubate.
- The SMART-Pro™ Protein Staining Solution can be reused up to 5 times or more without any contamination, but we do not guarantee its performance after repeated use.

PROTOCOLS

1. After SDS-PAGE has finished, remove the gel from the cassette and submerge it in the proper amount of SMART-Pro™ Staining Solution, enough to cover the gel.
2. Lightly agitate the staining box for 10 ~ 30 minutes at room temperature.
3. As there is no need for washing or destaining, please continue to carefully remove the staining solution and rinse the excess stain in the gel with water.
4. Image the gel.



iNtRON Biotechnology

(# 701-704, Jung-Ang Induspia V, Sangdaewon-dong)
137, Sagimakgol-ro, Joongwon-gu, Sungnam-si, Gyeonggi-do, Korea