

# Rapid Silver Staining Kit



This Rapid Silver Staining Kit is a **COMPLETE SYSTEM FOR RAPID AND SENSITIVE STAINING OF PROTEINS, DNA AND RNA IN POLYACRYLAMIDE GELS**. The procedure is simple compared to conventional silver staining protocols and takes only 10 minutes to complete.

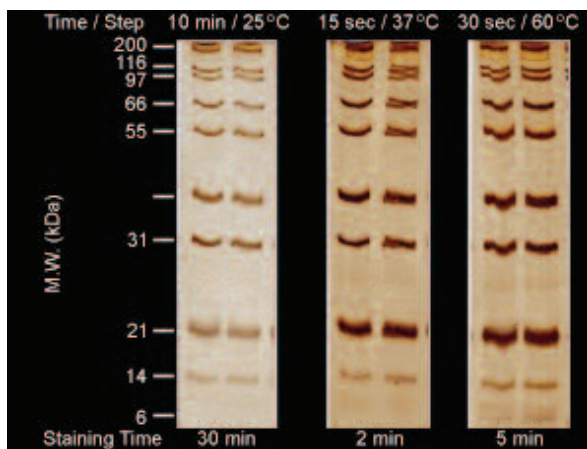


Figure: Temperature activated staining using the Rapid Silver Staining Kit. Shows distinct bands after 2 min. of staining.

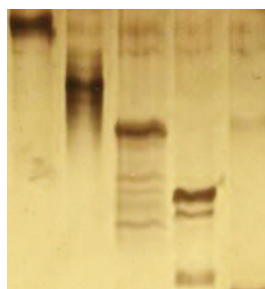


Figure: Distinct clear bands of Protein after staining with Rapid Silver Staining Kit

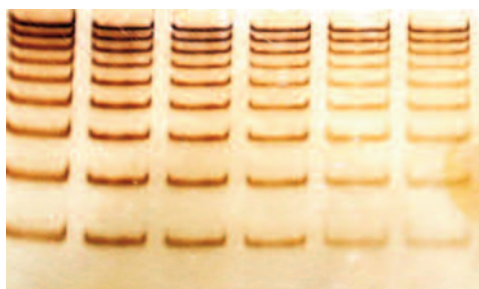


Figure: Distinct clear bands of DNA after staining with Rapid Silver Staining Kit

## Kit Contents:

Sufficient for rapid staining of 24 mini gels or 12 standard size gels.  
 Reagent A - Reducing Solution in a calibrated dropper bottle 2 ml  
 Reagent B - Silver Solution in a brown wide-mouth bottle 25 ml  
 Reagent C - Developer Solution in a white plastic bottle 250 ml  
 Reagent D - Developer Enhancer in a calibrated dropper 2 ml  
 One Plastic Staining Container (4"x 4")  
 Instructions

## Additional Material Required for Staining Procedure

Fixing Solutions: 50% methanol + 10% acetic acid  
 Mix 500 ml methanol and 100 ml glacial acetic acid and add water to make 1 litre.  
 Rehydration Solution: 5% methanol + 7% acetic acid  
 Glacial acetic acid: Mix 50 ml methanol and 70 ml glacial acetic acid and add water to make 1 liter

- **Novel temperature activated staining system**
- **Silver Staining of protein gels in 10 minutes**
- **Involves an easy 4-step staining procedure**
- **Extremely low background with reproducible results – protein detection at high signal to noise**
- **Contains reagents for 24 mini gels or 12 regular size gels**
- **A special surface staining tray with lid is included**

## APPLICATIONS :

- ✓ **Highly sensitive staining of proteins, DNA and RNA in polyacrylamide gels**
- ✓ **Quantification of low abundant proteins in gels**
- ✓ **Stain both non-denaturing polyacrylamide gels and denaturing polyacrylamide gels containing SDS or urea**
- ✓ **Visualization of nanogram quantities of DNA and RNA**



## DESCRIPTION

Rapid Silver Staining Kit  
 Axygen Special Staining Tray

## QTY

1 Kit  
 1 Unit

## CATALOG NO.

REG-RSS-1  
 SDT-1

## Storage and Shelf-life

Store the entire kit at 4°C.  
 Reagent D can be stored at Room Temperature 25°C.  
 If crystals form in the Reagent-C while storing at 4°C, warm Reagent-C gently until they dissolve.  
**Shelf life is 12 months if stored at 4°C.**