

SYPRO Ruby Staining Method

Reagents:

Fixing solution (40% methanol and 10% glacial acetic acid)

SYPRO Ruby Protein Gel Stain (Protected from light)

Wash solution (10% methanol and 7% glacial acetic acid)

Procedure:

1. Fix the gel in Fixing solution for 1 hr. Use 500 ml for a 18 x 20 cm gel
2. To stain gel, soak gel in SYPRO Ruby Protein Gel Stain for 3 hr to overnight with gentle agitation. Stain gels in polypropylene, polycarbonate or polyvinyl chloride trays. Protect from light during staining.
3. Transfer the gel to a clean dish and wash it in Wash solution for 1hr. Scan the gel in a fluorescence scanner (Typhoon 9200) set at 532 nm for the laser source.
4. The gel may be stored in 2% glycerol for up to 6 months

Important: Handle gel with powder-free gloves. Staining trays should be very clean. Do not use glass tray.

Reference:

1. Molecular Probes SYPRO Ruby Protein Gel Stain Product Information sheet.
2. Amersham Biosciences Application Note 63-0044-15