

# Coomassie Brilliant Blue R250

Cat# C3233 – 25 g | C3234 – 50 g | C3235 – 100 g

Store at room temperature

## INTRODUCTION

**CAS:** 6104-59-2

**M.W:** 825.97

**Formula:**  $C_{45}H_{44}N_3NaO_7S_2$

**Absorption:** 589.2 nm in ethanol

**Melting point:** 174-180°C

**Synonyms:** Acid Blue 83

## STAINING PROTOCOL

### Solutions

1. Fixing solution : 10 % glacial acetic acid, 40 % EtOH (10 ml glacial acetic acid/40 ml EtOH/50 ml H<sub>2</sub>O)
2. Stock solution I: 0.2 % Brilliant Blue R in 90 % EtOH (100 mg in 50 ml 90 % EtOH)  
*Solution is stable at RT for several months.*
3. Stock solution II: 20 % Acetic acid Destainer I conforms to fixing solution
4. Destainer II: 10 % glacial acetic acid, 20 % EtOH

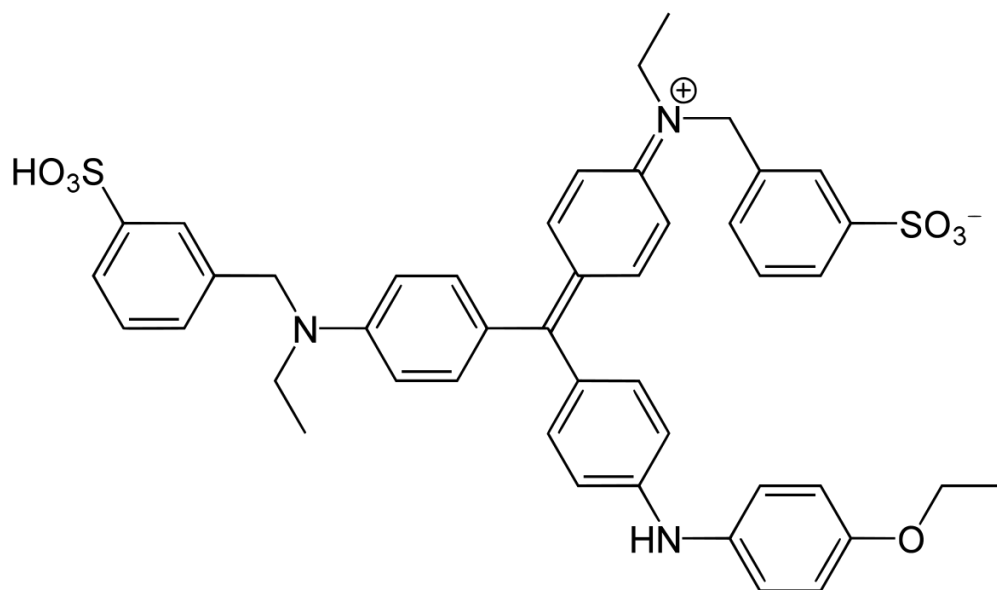
### Staining

1. Fix gel for 30 min. in 100 ml fixing solution.
2. Prior to use mix 50 ml stock solution I with 50 ml stock solution II, stain gel in solution for 20 min.

### Destaining

1. For a first rapid destain, incubate gel for ca. 0.5 - 5 min.  
(dependent on gel thickness) in destainer I. Destain gel further as long as needed in destainer II (visual inspection).
2. Rinse destained gel 2x for 5 min. in H<sub>2</sub>O dist

## CHEMICAL STRUCTURE



## PRODUCT USE LIMITATION

These products are intended for research use only.