# Coomassie Stain and Destain

**Concentrations of each chemical:**

**Coomassie**

45% Methanol (V/V)

10% Acetic Acid (V/V)

0.25% of Coomassie Brilliant Blue R250

**Destain:**

5% Methanol (V/V)

7.5% Acetic Acid (V/V)

# Materials needed:

# 500 mL Media Bottle

Methanol0

Glacial Acetic Acid

Coomassie Brilliant Blue R250

Graduated Cylinder

dH20

# Protocol for Preparation:

# Coomassie Stain

# Mix 225 mL of dH2O, 225 mL of methanol, and 50 mL of glacial acetic acid into a media bottle.

# Add 1.25g of Coomassie Brilliant Blue R250

# Mix bottle by inverting until Coomassie is dissolved.

# Label bottle as Coomassie stain, your name and the date.

**Destain**

1. Mix 1750 ml dH2O, 100 ml methanol, and 150 ml acetic acid.
2. Label bottle as Destain, your name, and the date.

**Sterilization (yes or no):** Autoclave \_\_No\_\_ Sterile Filter \_\_No \_

**Storage Conditions:** Room Temp \_\_X\_\_ 4 C\_\_\_\_ -20 C\_\_\_\_ -80 C\_\_\_\_

# Protocol Source/Reference: Molecular Cloning (Second Edition)