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

1 Mix 225 mL of dH2 O, 225 mL of methanol, and 50 mL of glacial acetic acid into a media bottle.

2.Add 1.25g of Coomassie Brilliant Blue R250

3 Mix bottle by inverting until Coomassie is dissolved.

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

## Destain

1.Mix 1750 ml dHO, 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)