

### **Coomassie staining**

- *Use a clean tray that is only used for staining gels*
  - *Keep the tray closed during incubation steps*
  - *Wear gloves while handling the gel*
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- Briefly rinse the gel with ddH<sub>2</sub>O.
  - Fix the gel with 45% methanol, 10% acetic acid, and 45% ddH<sub>2</sub>O for 15-60 min.
  - Rinse the gel for 5 min with ddH<sub>2</sub>O, repeat twice.
  - Cover the gel with Coomassie blue solution, gently shake for up to 3 hours.
  - Rinse the gel for 5 min with ddH<sub>2</sub>O and repeat twice.
  - Destain overnight with 45% methanol, 10% acetic acid, and 45% ddH<sub>2</sub>O.
  - Rinse the gel for 5 min with ddH<sub>2</sub>O and repeat twice.
  - Wrap the gel with clean cling film, or seal in plastic . Acquire the gel's image with a benchtop scanner.
  - Store the gel in 1% acetic acid