

Silver staining of SDS-PAGEs

NOTES: The reagents should be prepared when they are going to be used.
It is a good idea to stain the gel previously with Coomassie
The incubations are at room temperature with shaking

- 1- Incubate 30 min in 40% methanol with 10% acetic acid
- 2- Incubate 30 min in 40% methanol with 10% acetic acid
- 3- Incubate 20 min in 2% cupric chloride (CuCl_2) with 50% methanol and 12% trichloroacetic acid
- 4- Incubate 15 min in 10% ethanol with 5% acetic acid
- 5- Incubate 10 min in 0.01% potassium permanganate (KMnO_4)
- 6- Incubate 15 min in 10% ethanol with 5% acetic acid
- 7- Incubate 20 min in 10% ethanol
- 8- Incubate 10 min in water
- 9- Incubate 15 min in 0.1% silver nitrate
- 10- Incubate 5 min in 10% potassium carbonate
- 11- Develop the bands in 0.01% formaldehyde with 2% potassium carbonate
- 12- Wash with water
- 13- Fix the bands in 40% methanol with 10% acetic acid