

Recipe: Alkaline Methylene Blue 0.01%

Alkaline methylene blue solution – 100 ml

Chemicals:

- Methylene blue (Sigma)
- 0.1M Glycine buffer (pH 10.6)
- Distilled water

Procedure:

- Dissolve 0.1g methylene blue in 100 ml distilled water (0.1% MB stock solution)
- Mix 10 ml of the MB stock solution with 90 ml of the 0.1M glycine buffer. This solution is used for the viability staining.

0.1M Glycine buffer (pH 10.6) – 100 ml

Chemicals:

- 1M NaOH solution (Merck)
- Glycine (Sigma)
- Distilled water

Procedure:

- Dissolve 0.75 g glycine in 70 ml water
- Adjust pH with the NaOH solution to 10.6
- Fill volume to 100 ml with distilled water