

CITRATE METHYLENE BLUE SOLUTION

Methylene Blue	Distilled water
Citric Acid	Foil
2 small, clean (100-125ml) glass bottles	Mechanical pipeter
Sterile pipets	Funnel

Procedure:

1. Weigh 0.1g methylene blue and place in small glass bottle.
2. Add distilled water up to 100ml mark on bottle.
3. Swirl bottle to dissolve media. (This is your 0.1% methylene blue solution.)
4. Weigh 2g citric acid and place in the other small glass bottle.
5. Add 10ml of the 0.1% methylene blue solution to the citric acid bottle.
6. Dilute citric acid solution up to 100ml with distilled water. This solution is ready to use for viability tests.
7. Place 990ul of the ready to use" methylene blue into 1.5ml eppendorf tubes for cell & viability counting. Citrate methylene blue intended for sale, place 50ml into 60ml capacity amber PP round bottles. Label and date bottle. Cover lid with parafilm. Place bottles intended for test kits in appropriate area.
8. Repeat steps 4 – 7 if more test kit bottles are needed.

Note: Discard solution after 6 months.