

Application Note

Production of Rapid-load

Reagents

Distilled water, Sodium Azide, Cresol red, Sucrose

Stock Solutions

10% Sodium Azide

- Weigh out 1 gram of sodium azide powder
- Adjust volume 10 ml with sterile distilled water
- Mix well

* note: Sodium azide is poisonous! Do not inhale or ingest powder or liquid material store at room temperature

100 mM cresol red

- Weigh out 2 grams of cresol red powder
- Adjust volume to 50 ml with sterile distilled water
- Mix well by vortexing or vigorous shaking until all powder is dissolved
- Store at room temperature

Protocol for making 5X Rapid load sample loading dye

- Weigh out 30 grams of sucrose in a 50 ml conical tube
- Add enough sterile distilled water so that the volume is 45 mls
- Mix solution by turning tube in hand. Do not shake hard or vortex. Put on the shaker slowly until sucrose goes into solution. It should all dissolve within 30 minutes to an hour
- Add 1.0 ml of 100 mM cresol red and 100 ul of 10% sodium azide
- Adjust volume to 50 ml with sterile distilled water
- Mix all contents thoroughly. Rapid-load buffer will be dark red in color
- Aliquot 5 mls into Nalge Nunc bottles for direct sale to customers