



Preparation of Liquid Cultures



Introduction

This protocol creates liquid cultures for our transformed colonies.

Reagents

-  Luria Broth/Kanamycin liquid media
-  DNA colonies

Equipment

-  Falcon tubes
-  Sterile loops

Procedure

1. Pour 10-15 mL of LB/Kanamycin into falcon tubes. Incubate media in falcon tubes for 10 minutes to warm up.
2. Take tubes out of incubator. With a sterile loop, pick a colony of interest and swirl it into the media.
3. Tape on the cap (do not screw shut) to allow oxygen exchange to occur with the bacteria.
4. Measure the pH of the resulting solution. Adjust the solution to a pH of 6, titrating with NaOH if necessary.
5. Put in the incubator for 13-16 hours at 37°C. Shake at 150-180 rpm.