



Oct 09, 2018

Antibiotic Disk Testing

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Working

ABSTRACT

Antibiotic Disk Testing, to check for antibiotic resistance genes

PROTOCOL STATUS

Working

We use this protocol in our group and it is working

MATERIALS TEXT

Liquid Media (LB, TSB)

Isolate Colonies grown on (LB, or TSA plates)

Inoculating loops

Bunsen burners

Eppendorf tubes

Antibiotic disks

Clean plates (LB and TSA)

Liquid Culture

- 1 Fill Eppendorf tube with 1 mL of media (LB or TSA)

Using sterile loop pick up one colony from the plate and suspend in media tube (being sure to match medias, LB plate -> LB liquid media)

Leave to grow overnight (Or for 2 or 3 days)

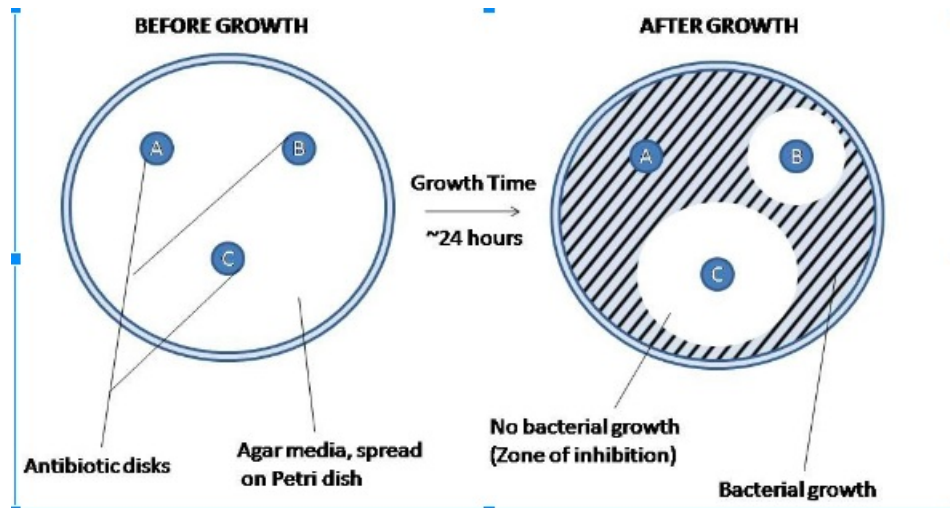
Disk assays

- 2 Take 10uL from the overnight cultures and plate and spread on plate

Place antibiotic to be tested on plate as pictured below

Check for growth and inhibition after 24 hours

Measure the diameter of inhibition and compare to known measures of inhibition to determine susceptibility.



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