# Micro Lab

### Stool collection and culture

Stool should be collected in clean wide mouth container not sterile

- Stool should be added to Selenite Whv?? broth
- Inhibits the growth of coliforms
- **2** Enhances the growth of Pathogen

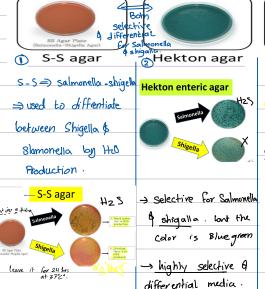
#### Most common pathogens (Bacteria):

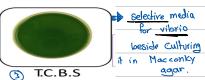
- » E.coli
- » Salmonella
- »Shigella
- » Vibrio
- »Proteus
- » Yersinia . Campylobacter . Clostridium.
- > These bacteria are not normal inhabitants of the GIT

Stool sample should be cultured on the following media using streak plate method

-> detect Has

Production

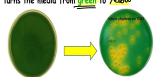




# Selective for Vibrio Spp.

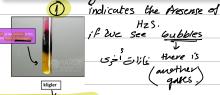
(PH)=> 8.5-10 مثل ما بتحب الدoibrio

• When Vibrio cholera ferment sucrose (produces act it turns the media from green to Yellow



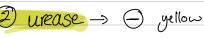
## Salmonella

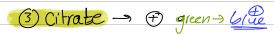
upper part
permains Red means / means it ferments glucose
it doesn't ferment lactose Kligler: red/Yellow + H2S (black/dark color)



- \* Hzs Producer
- & Glucose fermenter (yellow)
- \* Non Lactose Fermenter (Red) UP



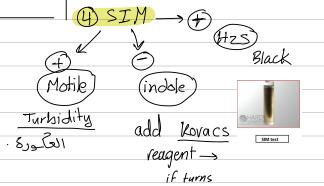






Gram negative rods lactose fermenter, non o Swarming motility (flagellated)

Prevent swarming by culturina it on CLED or MacConkey media (prevent motility)



topink

Sal monella remains (clorless)