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Section: Education Manual	Subject Title: Appendix II - Media	
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APPENDIX II- MEDIA

1. MacConkey Agar
 - Is a selective and differential medium to isolate Gram negative bacilli
 - Lactose fermentors are pink
 - Non-lactose fermentors are pale
 - Peptone base with lactose and neutral red as indicator
2. Blood Agar
 - Typticase soy agar, Brucella agar or beef heart infusion base and 5% sheep blood
 - General purpose medium
 - Used to cultivate fastidious microorganisms
 - To determine haemolytic reactions
3. Chocolate Agar
 - Peptone base enriched with 2% haemoglobin
 - To cultivate *Haemophilus* and *Neisseria* species
 - Also a general purpose medium
4. Haemophilus Agar
 - Selective and differential medium
 - Chocolate base containing bacitracin to inhibit respiratory flora
 - To isolate *Haemophilus*
5. CNA Agar
 - Columbia colistin nalidixic acid agar with 5% sheep blood
 - Selective and differential medium
 - Used to isolate gram positive organism from mixed cultures
6. Brucella Agar
 - With hemin and vitamin K
 - For the isolation and cultivation of anaerobic bacteria
 - With 5% sheep blood
7. LKV Agar
 - Kanamycin-vancomycin laked sheep blood
 - Enriched selective and differential medium for the isolation and cultivation of anaerobic bacteria e.g. *Bacteroides* spp. and *Prevotella* spp.

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8. Fastidious Anaerobic Broth
 - Broth culture for anaerobes

9. Hektoen Enteric Agar
 - Selective and differential medium
 - Bile salts and indicator dyes select and inhibit gram positive organisms
 - Lactose, sucrose and salicin present to differentiate between fermenters and non-fermenters
 - Sodium thiosulfate and ferric ammoniumcitrate detect H₂S production
 - *E. coli* are yellow-pink in colour.
 - *Shigella* are green or transparent Salmonella green or transparent with black centers.

10. Selenite Broth
 - Enrichment broth for isolation of *Salmonella* and *Shigella*
 - Inhibits enterococci and coliforms

11. CIN Medium
 - Cefsulodin-irgasan-novobiocin medium
 - Selective and differential for isolation of *Yersina enterocolitica*

12. Campylobacter Blood Agar
 - Enriched selective blood agar
 - Trimethoprim, Vancomycin, Amphotericin B, Polymyxin B and Cephalothin in medium

13. Martin-Lewis Agar
 - Enriched and selective medium for *N. gonorrhoeae*
 - Vancomycin, anisomycin, trimethoprim and colistin in medium

14. Group B Strep Broth
 - Antibiotics Gentamicin and Naladixic in medium
 - Selects Gram positive organisms

15. Mannitol Salt Agar with Oxacillin
 - Screen for MRSA

16. (Vancomycin) Enterococcus Agar
 - Screen plate with Vancomycin for VRE