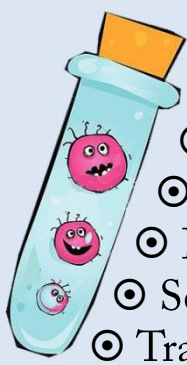


DIFFERENT TYPES OF MEDIA



- ⊙ Simple media
- ⊙ Enriched media
- ⊙ Selective media
- ⊙ Differential media
- ⊙ Selective and differential media
- ⊙ Transport media

Allows organisms to survive, so it's non-nutritive

- For bacteria → Cary Blair.
- For viruses → virus transport media.

Mannitol salt agar as selective and differential media

✎ **Selective** it has a high NaCl (7.5%) concentration, and few types of bacteria can grow on this **hypertonic** medium

Differential because it contains a pH-sensitive dye to identify organisms that ferment **mannitol**

is used for ●

- ① the detection of microorganisms
- ② detect recombinant strains of bacteria

Ex Blood agar
Chocolate agar

Culture medium that allows the growth of certain types of organisms, while **inhibiting** the growth of other organisms.

Ex : LJ specially used for culture of *M. tuberculosis*

i Any agar media can be made selective by addition of certain **inhibitory agents** that don't affect the pathogen

extra nutrient in simple medium makes them enriched media for fastidious !



Chocolate agar	Blood agar
↗ <i>Haemophilus influenza</i>	↗ <i>Staphylococcus aureus</i>

It used to support the

- total flora of a clinical specimen
- most non-fastidious bacteria



Broth – peptone water

Solid - nutrient agar

