

Semi-solid Media

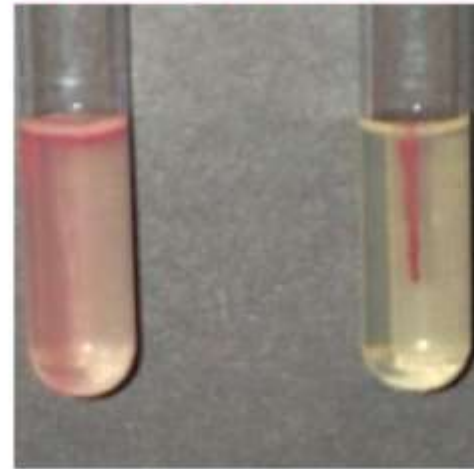
- Semi-solid media contain a smaller amount (1% or less) of agar which imparts a “custard consistency”.

Ex. : Cystine trypticase-agar medium

Advantages

- Useful for the cultivation of micro-aerophilic bacteria
- For determination of bacterial motility

Semisolid medium



The organism in the tube on the left in the figure is motile and the organism in the tube on the right is nonmotile.

Differential/indicator media

An indicator is included in the medium that distinguish between different groups of microbes when a particular biochemical reaction occurs (ex a color or pH change).

Ex: indicators Neutral red, Phenol red, Methylene blue

- Media that allows you to distinguish different types of bacteria growing on a plate usually by color of colonies or growth patterns.

Ex. Blood-Agar medium,
Mac Conkey- Agar medium
Christensen's medium.

MacConkey's medium

