Semi-solid Media

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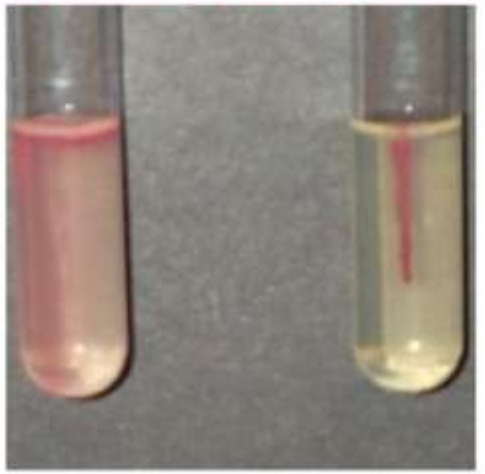
- **Semi-solid media contain a smaller amount (1% or less) of agar which imparts a "custard consistency".**

Ex. : Cystine trypticase-agar medium

Advantages

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



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

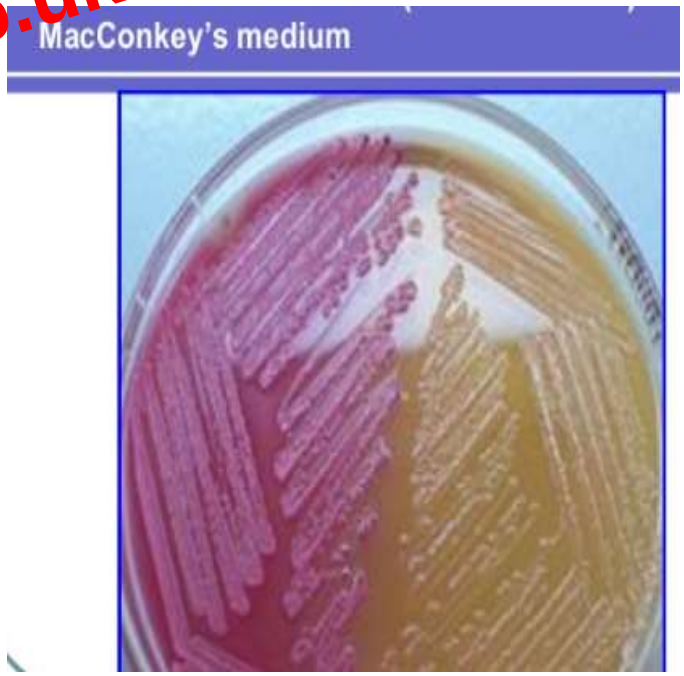
An **indicator is included in the medium that distinguish between different groups of microbes** when a particular biochemical reaction occurs (ex a color or pH change).

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.



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