Morphology of the bacterial colony

* + 1. Shape: circular, irregular, radiate orrhizoid.
		2. Size: diameter inmm
		3. Elevation: flat, raised, low convex, domeshaped
		4. Margin: Entire, wavy, lobate,filiform
		5. Surface: smooth, wavy, rough,granular,papillate, glisteningetc.

Shape of the colony

 Elevation of the colony

Margins of the colony

On solid medium the following characters areobserved

* 1. Shape: circular, irregular, radiate orrhizoid.
	2. Size**:**Thesizeof thecolonycanbeausefulcharacteristic for identification. The diameter of a representative colony may bemeasured.
	3. Elevation:
	4. Margin: Entire, wavy, lobate,filiform
	5. Surface: smooth, wavy, rough,granular,papillate, glisteningetc.
	6. Size inmm
	7. Texture: dry, moist, mucoid, brittle,viscous,butyrous (buttery).
	8. Color:colorless, pink, black, red,bluish‐green.

Mac Conkey Agar



*Eschericia coli* on MacConkey Agar:

growth, with pink colonies

*Enterobacter cloacae* on MacConkey Agar:

growth with pinkcolonies

*contd.*

*Staphylococcusaureus Streptococcuspyogens*

*contd*

*Bacillussubtilis Proteus* spp.

##### IN A FLUID MEDIUMFOLLOWING CHARACTERS ARE OBSERVED

1. Degree of growth‐ Absence, scanty,moderate, abundantetc.
2. Present of turbidityand its nature.
3. Presence of deposit and itscharacter.
4. Nature of surfacegrowth.
5. Ease and disintegrationand odor