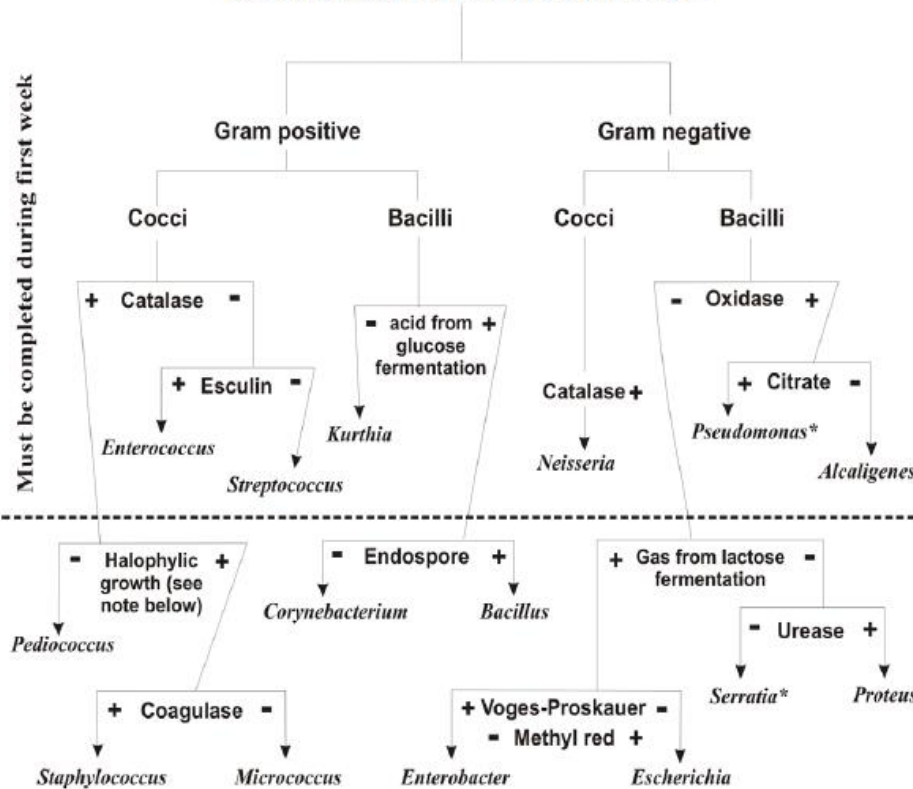















Unknown sample identification

Figure 1. Flow chart for identification of unknowns.



* Non-pigmented strains of *Pseudomonas* and *Serratia* may be used
 Halophytic growth: use TSA + 7.5% NaCl; growth on media is positive result

These are some terms used to describe the characteristics of bacterial colonies. Also available in lab are photographs that illustrate some of these characteristics.

Margin (edge)	Elevation	Surface texture	Colony shape
Entire (smooth) 	Sunken  (Below medium surface)	Glossy Shiny and reflective Glistening	Circular 
Undulate (wavy) 	Flat  Flat is uncommon, and means no elevation at all!	Dull Smooth surface but not glossy; non-reflective	Irregular 
Lobate 	Convex 	Granular Roughened surface; possibly powdery in appearance	Spreading rapidly spreads over plate
Lobed 	Umbo-nate 	Contoured Uneven surface, with undulations and crevasses	Punctiform Forms numerous very small 'pin-point' colonies
Rhizoid 	Pulvinate 	Wrinkled Folded appearance; like a dried raisin	Mucoid Glossy, but sticky and gooey to the touch
Filamentous 	Other considerations: Not all colonies fit neatly into specific categories; often other descriptions are needed to fully describe the appearance. Also, colony appearance can be influenced by growth conditions, including the type of medium on which the cells are grown.		

Pigmentation: usually to the colony itself, but may occur in the surrounding medium.

1. Color may be: white → milky → creamy → to various distinct colors
2. Opacity may be: transparent → translucent → opaque
3. Color may be: Uniform, Uneven or Patterned, Changing over time

NAME: _____

SAMPLE TYPE: _____

Gram Reaction:
Characteristics of Cells
Shape:
Arrangement:

Media used:

Test results:

Colony morphology: (Margin, Elevation, Surface texture, Colony shape)

Type of hemolysis

Biochemical test:

Observations:
Genus _____

