

Biochemical Test and Identification of *Streptococcus pneumoniae*

Basic Characteristics	Properties (<i>Streptococcus pneumoniae</i>)
Bile Solubility	Positive (+ve)
Catalase	Negative (-ve)
Gram Staining	Positive (+ve)
Hemolysis	Alfa Hemolysis
Motility	Non-motile
OF (Oxidative-Fermentative)	Facultative anaerobes
Oxidase	Negative (-ve)
Shape	Diplococci
Spore	Non-sporing
Urease	Negative (-ve)
VP (Voges Proskauer)	Negative (-ve)
Fermentation of	
Arabinose	Positive (+ve)
Arbutin	Negative (-ve)
Dulcitol	Negative (-ve)
Erythritol	Positive (+ve)
Fructose	Positive (+ve)
Galactose	Positive (+ve)
Glucose	Positive (+ve)
Glycerol	Positive (+ve)
Glycogen	Positive (+ve)
Hippurate	Negative (-ve)
Inulin	Positive (+ve)
Lactose	Positive (+ve)
Maltose	Positive (+ve)
Mannitol	Negative (-ve)
Melibiose	Variable
Raffinose	Positive (+ve)
Ribose	Negative (-ve)
Salicin	Variable
Sorbitol	Negative (-ve)
Starch	Variable
Sucrose	Positive (+ve)
Trehalose	Variable
Xylose	Positive (+ve)
Enzymatic Reactions	
Alkaline Phosphatase	Negative (-ve)
Arginine Dehydrolyase	Positive (+ve)
Esculin Hydrolysis	Variable
Hyalurodinase	Positive (+ve)
Neuraminidase	Positive (+ve)