

## Biochemical Test and Identification of *Streptococcus mutans*

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

Neuraminidase	Negative (-ve)
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