

Bio-131-55

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Organic Molecules Lab

Starch Test

Blue black is a positive test indicating the presence of starch

Substance	Final Color	+ or - result
Water	Orange/Yellow	Negative -
Starch	Orange/Yellow	Positive +
Glucose	Orange/Yellow	Negative -
Sucrose	Orange/Yellow	Negative -
Onion Juice	Orange/Yellow	Positive +
Piece of Potato	Blue/Black	Positive +

Benedict's Test for reducing sugars

Positive Benedict's is a green-yellow-orange-red color

Substance	Final Color	+ or - result
Water	Blue	Negative -
Starch	Blue	Negative -
Glucose	Red/Orange	Positive ++++
Fructose	Red/Orange	Positive ++++
Sucrose	Blue	Negative -
Onion Juice	Red/Orange/Green	Positive +++
Piece of Potato	Green	Positive +

Hydrolysis of Sucrose

Tubes	Color After Boiling
Sucrose and Invertase	Yellow/Orange
Sucrose and Water	Blue/Light Blue

Sudan IV Test for Lipid

Red droplets or a red layer is a positive for lipids