

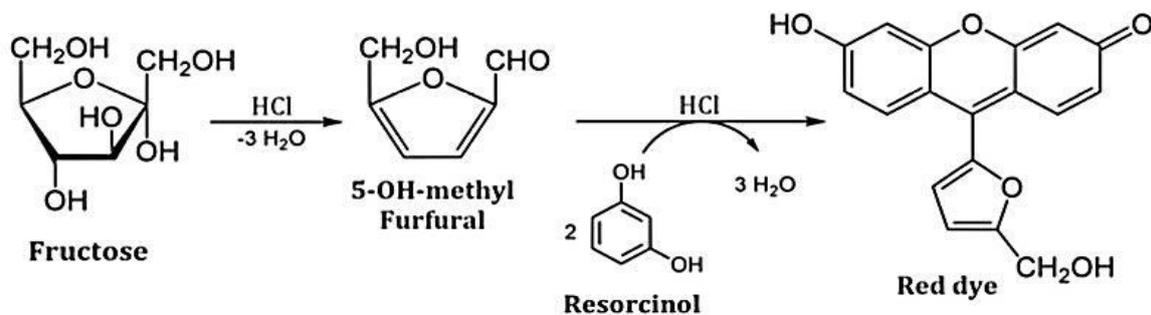
الصيدلة	الكلية
فرع العلوم المختبرية والسريرية	القسم
Biochemistry	المادة باللغة الانجليزية
الكيمياء الحياتية	المادة باللغة العربية
الثالثة	المرحلة الدراسية
م م عبدالرحمن خالد مصدق	اسم التدريسي
Seliwanoff Test	عنوان المحاضرة باللغة الانجليزية
كشف سليوانوف	عنوان المحاضرة باللغة العربية
4	رقم المحاضرة
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محتوى المحاضرة

➤ Seliwanoff Test

- This test distinguish ketose monosaccharides like (fructose) from aldose monosaccharides such as (glucose),also disaccharides that give ketone sugars when they hydrolysis (sucrose).

- Seliwanoff reagent consisting resorcinol compound with hydrochloric acid.
- Ketose sugars differ from aldose sugar in they lose water molecules easily and form hydroxymethylfurfural, which condenses with the seliwanoff reagent to form a red complex . The solution should not be heated for a long time, otherwise aldehydes will also give a positive result



➤ Method

- To 1mL of 1% sugar sample in a test tube, add 2mL of Seliwanoff reagent, mix gently, and keep in a boiling water bath for 2min.

Sample	Observation	Inference
Sugar sample	Deep red color ppt in case of ketose, and pink	Ketose only respond

color ppt in case of
aldose

