



Product Specification

cdhfinechemical.com

FOUCHET'S REAGENT FOR BILE PIGMENT

PRODUCT CODE 835500

Intended Use

Fouchet's Reagent is used to test for bilirubin and some other derivatives.

Principle And Interpretation

For testing bilirubin in urine, two types of tests are available namely,

- 1) Oxidation test - Where bilirubin is oxidized to green biliverdin and
- 2) Diazotization test - Where bilirubin is diazotized to a highly coloured compound.

Fouchet's reagent used in Fouchet's test comes under oxidizing reagent or test. Barium chloride precipitates the sulphate radicals present in urine to form precipitate of barium sulphate. If bile pigments are present in urine, they adhere to these molecules. Ferric chloride present in Fouchet's reagent then oxidizes yellow bilirubin, in the presence of trichloroacetic acid to green biliverdin. Therefore, the development of green colour due to the formation of biliverdin indicates the presence of bilirubin (bile) in urine.

PARAMETER

LIMIT

Description	Yellow coloured solution.
Sensitivity	Passes test.

Directions

1. Take about 10 ml urine.
2. Add 1 gm barium chloride, mix and filter.
3. Spread out on a filter paper.
4. When it is partly dry, drop a little Fouchet's reagent or yellow nitric acid on the precipitate.

Results

Development of green colour due to formation of biliverdin indicates the presence of bile (bilirubin) in the urine.

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements: Not hazardous. No hazards.

Precautionary statements

Prevention: -----

Response: -----

Disposal:-----

Hazard Pictogram(s) :-----

IMDG Code	: --
UN No.	: --
IATA	: --

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