

BA121

FEHLING SOLUTION NO.1

Formula

Reagent:

Copper sulphate (CuSO ₄)	34.66 g
Distilled water	500.00 ml

Appearance: Blue coloured clear solution

Mix equal volumes of the Fehling solutions No.1 (BA121) and No.2 (BA122) at the time of using.

1. Mix 15 ml of Fehling solution no.1 with 15 ml of Fehling solution No.2
2. Add 2 ml of this mixture to an empty test tube.
3. Add 3 drops of the specimen to be tested to the tube.
4. Place the tube in a water-bath at 60°C.

Results: Standardized Fehling solution No.1 (BA121) when used with Fehling solution No.2 (BA122) for sugar estimation gave results in expected range of known sugar standards.

Storage: Below 30oC

Packing: 500 ml bottle

Warnig & precaution:

In Vitro diagnostic Use only. For Laboratory use. Read the label before opening the container. Wear protective gloves/protective clothing/ eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets

Use: Fehling's test can be used to screen for glucose in urine, thus detecting diabetes. Another use is in the breakdown of starch to convert it to glucose syrup and maltodextrins in order to measure the amount of reducing sugar, thus revealing the dextrose equivalent (DE) of the starch sugar.

Disposal:

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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