

BA061

BENEDICTS QUANTITATIVE REAGENT

Formula

Reagents:

Copper sulphate	18.00 g
Sodium carbonate	100.00 g
Sodium citrate	200.00 g
Potassium thiocyanate	125.00 g
Potassium ferricyanide	250.00 mg
Distilled water	1000.00 ml

Directions:

1. Take 5.0 ml of the reagent in a flask.
2. Add 2-3 g of anhydrous Na_2CO_3 and 15-20 mg of CaCO_3 .
3. Mix well. Heat to boiling.
4. Add urine drop wise with constant stirring, till the blue colour of the reagent disappears and white precipitate is formed.

Precautions :

1. For Laboratory Use.
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.

Use: Detection of sugar in urine with 0.5% glucose solution as a standard.

Quality Control:

Appearance: Blue coloured solution.

Results:

About 10 ml of 0.5% glucose solution is required to decolourize 25 ml of Benedict's Quantitative Reagent solution.

Storage: Below 30°C.

Packing : 500 ml