

TECHNICAL SHEET

BA066 FOLIN AND WU'S PHOSPHATE MOLYBDATE SOLUTION

Formula

Reagent:

Molybdic acid	35.00 g
Sodium tungstate	5.00 g
10% NaOH solution	200.00 ml
Distilled water	500.00 ml
Phosphoric acid, concentrated	125.00 ml

Final pH (at 25°C) 6.7±0.1

Appearance: Colourless, clear solution

Directions:

Deproteinization: Take 1.0 ml of blood in a test tube. Add 7.0 ml of distilled water and 1.0ml of 0.6 N H₂SO₄. Mix well. Keep it for 5-10 minutes. Add 1 ml of 10% Sodium tungstate to precipitate proteins. Mix well and keep for 10 minutes. Centrifuge it or filter.

Reduction and colour development: Take 2.0 ml of the above filtrate in a tube. Add 2ml of reagent (BA065) in a tube. Mix and keep in boiling water bath for 8 minutes. Cool under running tap water. Add 2 ml of reagent (BA066) and dilute with distilled water to 25 ml. Mix well and keep for 5 minutes. Read the colour at 620 nm.

Results: The normal range for 1. Blood sugar (fasting) : 80-120 mg/dl.
2. Blood sugar P.P (2hours after lunch) : Up to 140 mg/dl

Storage: Below 30°C

Packing: 500 ml

Warning & Precautions :

In Vitro diagnostic Use only. For professional 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: Estimation of blood 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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