

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

Appearance: Colourless solution

Directions:

Deproteinisation:

1. Take 1.0 ml of blood in a test tube. Add 7.0 ml of distilled water and 1.0 ml 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:

1. 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.

Precautions :

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

Use: Estimation of blood sugar.

Storage: Below 30°C

Packing: 500 ml