BIOBOON BIOTECH LLC

G6PD (Quantitative) Test Kit

Photometric

- Accurate & Reliable
- Photometric Method
- Wide Linear Range (up to 19.5 U/G Hb)
- Reagent Ready to Use



TEST PARAMETERS

Wavelength	340 nm
Measurement	Against Distilled Water
Cuvette	1 cm light path
Reaction Temperature	Room Temperature
Reaction Type	Kinetic
Reaction Direction	Increasing
Sample Volume	10 µL (0.01 mL)
Reconstituted Assay Reagent Volume	1.0 mL
Substrate Reagent Volume	2.0 mL
Delay/Lag Time	300 sec
Interval Time	60 sec
No. of Readings	05
Factor	4839
Low Normal at 37°C	4.6 U/g Hb
High Normal at 37°C	13.5 U/g Hb
Linearity at 37°C	19.5 U/g Hb

MANUAL ASSAY PROCEDURE

Pipette into Test Tubes.

Addition Sequence	Volume (µL)
Reconstituted Assay Reagent	1.0 mL (1000 µL)
Sample	0.01 mL (10 µL)
Mix well and incubate for 5 mins at 30°C & Immediately Add	
Substrate Reagent	2.0 mL (2000 µL)

Mix well and after 5 minutes read the absorbance (A_0) & repeat the absorbance reading after every 1, 2, 3, 4 & 5 minutes.

SAMPLE DILUTIONS

1. This method is linear upto a concentration of 19.5 U/G Hb.
2. Dilute samples above this concentration 1:1 with 0.9% saline.
3. Repeat assay. Multiply the result by 2.

LINEARITY & RANGE

LINEARITY
The method is linear upto a concentration of 19.5 U/G Hb.

RECOMMENDATION
Dilute samples above 19.5 U/G Hb, 1:1 with 0.9% saline and multiply the result by 2.

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