



## Glucose-6-Phosphate Dehydrogenase (G6PD)

### FOR THE QUANTITATIVE MEASUREMENT OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE

#### METHOD: ENZYMATIC; KINETIC

G6PD is an essential enzyme in human blood, which helps Red Blood Cells (RBCs) function. G6PD deficiency is the most common enzyme deficiency worldwide, causing a variety of health challenges, such as neonatal hyperbilirubinemia, acute hemolysis, and chronic hemolysis.

The POINTE™ G6PD assay, provided by SEKISUI Diagnostics, is a highly sensitive quantitative assay for the kinetic determination of G6PD in blood. It requires only a single, 5-minute lysing step and can be used on a broad range of clinical chemistry analyzers.

#### Features

- Only requires a single 5-minute lysing step
- Extensive shelf-life up to 24-months
- Enzymatic method that does not require a calibrator
- Highly sensitive Quantitative assay

#### Benefits

- Eliminate testing delays and lower labor costs
- Reduce scrap rate costs from expired product
- Save time and money by eliminating the use of a calibrator
- Save time and costs from not having to run two tests

#### Performance Characteristics

##### Precision

- Within-Run:  $\leq 9.2\%$
- Total Precision:  $\leq 11.4\%$

##### Accuracy

- Slope: 0.97
- Intercept: 0.07
- Correlation Coefficient: 0.994

##### Linearity

- 2.78- 20.69 U/g Hb

##### No Significant Interferences Up to Levels Indicated

- Copper: 100  $\mu\text{mol/L}$
- Sulfate Ions: 0.005  $\text{mol/L}$

##### Reference Range<sup>(1)</sup>

- $12.1 \pm 2.09 \text{ U/g Hb}$
- $351 \pm 60.6 \text{ U}/10^{12} \text{ RBC}$

Performance studies were performed on a Roche Cobas Mira analyzer.

Provided by

# HORIBA

**SEKISUI**  
DIAGNOSTICS  
Because every result matters™

# Glucose-6-Phosphate Dehydrogenase (G6PD)

Ordering Information		
	Configuration	Catalog Number
POINTE G6PD REAGENT	R1 10 x 6 mL, R2 1 x 120mL	G7583-180
POINTE G6PD LYSING REAGENT	1 x 100 mL	G7583-LYS
POINTE G6PD CONTROLS	2 x 0.5 mL Deficient Ctl 2 x 0.5mL Intermediate Ctl 2 x 0.5 mL Normal Ctl	G7583-CTL



To learn more about our clinical chemistry reagent products scan the QR code or go to [Clinical Chemistry Reagents – SEKISUI Diagnostics.](#)



**THE AMERICAS**  
SEKISUI Diagnostics, LLC  
One Wall Street  
Burlington, MA 01803  
Phone: 800 332 1042  
[Email: questions@sekisui-dx.com](mailto:questions@sekisui-dx.com)

**HORIBA**

Provided by  
**SEKISUI**  
DIAGNOSTICS  
*Because every result matters™*