

## ARG82165 Glucose 6 phosphate Dehydrogenase Activity Assay Kit (Colorimetric)

Package: 100 tests

Store at: -20°C

### Summary

Product Description	ARG82165 Glucose 6 phosphate Dehydrogenase Activity Assay Kit (Colorimetric) can be used to measure Glucose 6 phosphate Dehydrogenase activity in serum, plasma, tissue and cell culture supernatants.
Tested Reactivity	Hu, Ms, Rat, All
Tested Application	FuncSt
Target Name	Glucose 6 phosphate Dehydrogenase
Conjugation Note	Read at 460 nm
Sensitivity	0.2 U/L
Detection Range	0.2 - 100 U/L
Sample Type	serum, plasma, tissue and cell culture supernatants
Sample Volume	20 µl
Alternate Names	G6PD1; G6PD; EC 1.1.1.49; Glucose-6-phosphate 1-dehydrogenase

### Application Instructions

Application Note	Please note that this kit does not include a microplate.
Assay Time	20 min

### Properties

Form	Liquid
Storage instruction	Store the kit at -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	G6PD
Gene Full Name	glucose-6-phosphate dehydrogenase
Background	This gene encodes glucose-6-phosphate dehydrogenase. This protein is a cytosolic enzyme encoded by a housekeeping X-linked gene whose main function is to produce NADPH, a key electron donor in the defense against oxidizing agents and in reductive biosynthetic reactions. G6PD is remarkable for its genetic diversity. Many variants of G6PD, mostly produced from missense mutations, have been described with wide ranging levels of enzyme activity and associated clinical symptoms. G6PD deficiency may cause neonatal jaundice, acute hemolysis, or severe chronic non-spherocytic hemolytic anemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

