

Total Sulfhydryl Group/Total Thiol Assay Kit

Total Sulfhydryl Group/Total Thiol (-SH) Colorimetric Assay Kit

CATALOG #
AAA177796

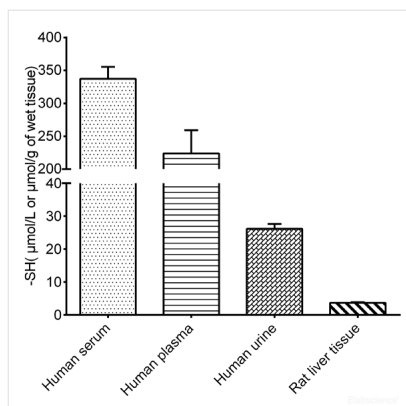
PRODUCT SYNONYMS

Total Sulfhydryl Group/Total Thiol; Total Sulfhydryl Group/Total Thiol (-SH) Colorimetric Assay Kit; Total Sulfhydryl Group/Total Thiol assay kit

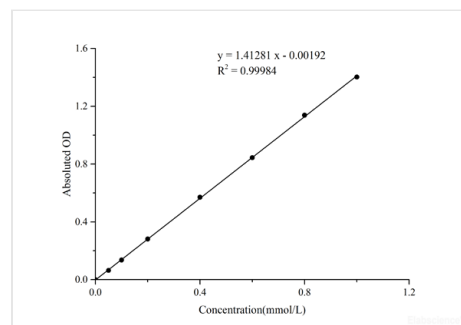
PRODUCT SPECIFICATIONS

Samples	Serum, plasma, animal tissue samples
Detection Range	9.91-1000 umol/L
Sensitivity	9.91 umol/L
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Application Data



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Total Sulfhydryl Group/Total Thiol assay kit

Intended Uses: This kit can measure total (-SH) content in serum, plasma, animal tissue samples.

Principle of the Assay: Sulfhydryl compounds react with 5,5' -dithiobis (2-nitrobenzoic acid) under neutral or alkaline conditions to produce a yellow product which have a maximum absorption peak at 412 nm. Measure the OD value and calculate the total mercapto content indirectly.

Background/Introduction: Total sulfhydryl group/total thiol (-SH) is an important protein structure and REDOX reactive group in organisms. Sulfhydryl is one of the most active and ubiquitous ligands in biological systems. It is found in most proteins, but also in some low molecular weight substances. Sulfhydryl groups play an important role in biochemical processes, not only for the REDOX mechanism, but also for the enhancement of the function of some hydrolyzed biocatalysts. Compounds containing sulfhydryl groups are called thiols. Decreased thiol levels are found in various diseases.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

