

Total Oxidant Status (TOS) Assay Kit | TOS assay kit

Total Oxidant Status (TOS) Colorimetric Assay Kit

CATALOG #
AAA22234

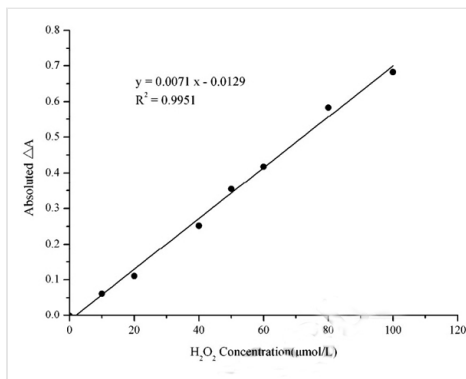
PRODUCT SYNONYMS

Total Oxidant Status (TOS); Total Oxidant Status (TOS) Colorimetric Assay Kit; TOS assay kit

PRODUCT SPECIFICATIONS

Samples	Cell, tissue, serum and other liquid samples
Detection Range	2.5-100 umol H ₂ O ₂ Equiv. /L
Sensitivity	2.5 umol H ₂ O ₂ Equiv. /L
Intra-assay Precision	The intra-assay CV is 2.3%.
Inter-assay Precision	The inter-assay CV is 3.5%.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TOS assay kit	Principle of the Assay: Under acid conditions, the oxidizing material in the sample can oxidize Fe ²⁺ to Fe ³⁺ , which binds highly with xylenol orange to produce a blue-purple complex. When the pH of solution is in the range of 2-3, its maximum absorption wavelength is around 590 nm, and the color depth is proportional to the content of oxidation substances in a certain concentration and a certain time, so as to indirectly calculate the total oxidation state of the sample.
Product Categories/Family for TOS assay kit	Metabolism Assay Kit

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.