

## Oxygen Radical Antioxidant Capacity (ORAC) Assay Kit | ORAC assay kit

Oxygen Radical Antioxidant Capacity (ORAC) Fluorometric Assay Kit

CATALOG #  
**AAA332519**

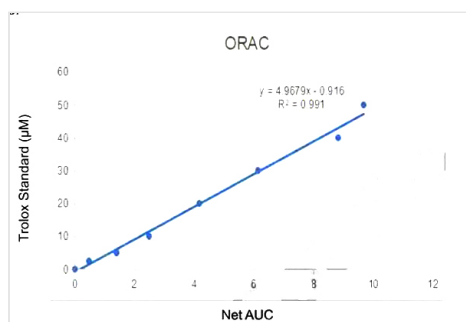
### PRODUCT SYNONYMS

Oxygen Radical Antioxidant Capacity (ORAC); Oxygen Radical Antioxidant Capacity (ORAC) Fluorometric Assay Kit; Oxygen Radical Antioxidant Capacity; ORAC; ORAC assay kit

### PRODUCT SPECIFICATIONS

|                                |                                                                                                                                    |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Samples</b>                 | Animal and Plant Tissues, Cells, Bacteria, Serum, Plasma                                                                           |
| <b>Detection Range</b>         | 2.5-50 $\mu$ M                                                                                                                     |
| <b>Sensitivity</b>             | 2.5 $\mu$ M                                                                                                                        |
| <b>Preparation and Storage</b> | Store at -20 degree C and protect from light upon receipt. Kit has a storage time of 12 months form receipt.<br>Shipping  Blue ice |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ORAC assay kit

Principle of the Assay: Oxygen Radical Absorbance Capacity (ORAC) is a classical method to detect the antioxidant capacity of biomolecules in various samples. ORAC method has the advantages of good specificity, high sensitivity, wide determination range and high throughput screening for antioxidant activity. It has been applied more and more in natural product antioxidant extracts. Food and functional food enterprises generally adopt ORAC as an important evaluation standard for functional food. CheKine™ Oxygen Radical Antioxidant Capacity (ORAC) Fluorometric Assay Kit can detect animal and plant tissues, cells, bacteria, serum, plasma and other samples. The principle is based on fluorescein sodium fluorescence probe, azo compounds AAPH as a source of oxygen free radicals, according to the free radicals damage the fluorescent probe. When the fluorescence intensity changes, the change of fluorescence intensity reflects the degree of free radical damage. In the presence of antioxidants, it inhibits fluorescence changes caused by free radicals. The degree of inhibition reflects its antioxidant ability to free radicals.

#### Product Categories/Family for ORAC assay kit

[Biochemical Assay Kit](#); [Cell Metabolism](#); [Cytology](#)

**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.

