

PRODUCT DATA SHEET

Fluoro SSAO™

Semicarbazide-Sensitive Amine Oxidase Detection Kit

Description

SSAO's functional role has been suggested to be involved in: apoptosis, atherogenesis, cell adhesion, leucocyte trafficking, glucose transport and local production of hydrogen peroxide. Elevated levels of SSAO have been reported in congestive heart failure, diabetes mellitus, Alzheimer's disease and various other inflammatory diseases. In addition, by products of SSAO deamination, such as formaldehyde and methylglyoxal, have been proposed to be involved in pathogenesis of cancer, aging and atherosclerosis. The Fluoro SSAO detection kit utilizes a non- fluorescent detection reagent to measure H₂O₂ released from the conversion of Benzylamine to Benzaldehyde via SSAO. Furthermore, H₂O₂ oxidizes the detection reagent in a 1:1 stoichiometry to produce a fluorescent product resorufin. This oxidation is catalyzed by Peroxidase.

Product Specifications

Kit Components:

1. 5x Buffer (Part# 3019), Storage: 2-8°C
2. Detection Reagent (Part# 4008), Storage: -20°C
3. Horseradish Peroxidase (Part# 6005), Storage: 2-8°C
4. SSAO Substrate Benzylamine (Part# 7001), Storage: -20°C
5. SSAO Enzyme (Part# 6006), Storage: -20°C
6. Pargyline, Monoamine Oxidase B Inhibitor (Part# 7003), Storage: -20°C
7. Semicarbazide-Sensitive Amine Oxidase Inhibitor (Part# 7004), Storage: -20°C

Application:	Fluorescence Plate Reader
Shipping:	SHIPPED ON BLUE ICE
Long Term Storage:	Store contents as labeled
Upon Arrival:	Various – Please see kit components above for specific storage conditions

Catalog Number/Sizes

Catalog #	Size (tests)
SSAO100-3	500

Rev.: 03/2011

FOR RESEARCH USE ONLY.