

PRODUCT DATA SHEET

Fluoro Hypochlorite™ Hypochlorite (-OCI) Detection Kit

Description

Hydroxyphenyl fluorescein (HPF) and Aminophenyl fluorescein (APF) are selective for the detection of highly reactive oxygen species (hROS). HPF has little reactivity towards other ROS such as: singlet oxygen (O_2^1), superoxide ($O_2^- \bullet$), hydrogen peroxide (H_2O_2), nitric oxide ($NO \bullet$), and alkyl peroxide ($RO_2 \bullet$). HPF/APF are cell permeable and can be used in combination to detect hypochlorite (-OCI) production in cells. Hypochlorite can be detected by loading two samples, one with APF and the other with HPF. Hypochlorite production is visualized by increase in fluorescence of APF loaded cells and no increase in fluorescence in HPF loaded cells.

Product Specifications

Kit Components:

1. HPF (Part# 4012)
2. APF (Part# 4011)

Application:	Flow Cytometer, Fluorescence plate reader, Fluorescence Microscope
Shipping:	SHIPPED ON BLUE ICE
Long Term Storage:	Store contents as labeled
Upon Arrival:	2-8° C

Catalog Number/Sizes

Catalog #	Size (tests)
FLOCL100-2	150 + 150

Manufactured by Daiichi Pure Chemicals Co. Ltd.

Not for sale in Japan.

FOR RESEARCH USE ONLY.