

Product Specification Sheet

Description: 12-Lipoxygenase
Product Number: LX12L
Aliquot: 100 U
Lot Number: 082297CS
Storage: -70

DESCRIPTION:	Stabilized and partially purified porcine leukocyte 12-lipoxygenase
MOLECULAR WEIGHT:	~75 kDa
CONCENTRATION:	4.8 mg/mL
VOLUME:	500 uL
SPECIFIC ACTIVITY:	55 units/mg protein
STORAGE BUFFER:	20 mM Tris, pH 7.2 containing 0.5 mM EDTA, PMSF, DTT and 15% glycerol
STORAGE:	Stable indefinitely at -70 C. Avoid repeated freezing and thawing.
NOTE:	One unit is the amount of enzyme that catalyzes the conversion of one nanomole of arachidonic acid to 12-HPETE over a five minute incubation at room temperature
REFERENCE:	Yoshimoto, T., Miyamoto, Y., Ochi, K., Yamamoto, S., <i>Biochimica et Biophysica Acta</i> , 713:638-646 (1982)