

Certificate of Analysis

Product Description

Product: Myeloperoxidase
Catalog Number: IMPO
Description: Myeloperoxidase purified from leucocytes of purulent human sputum which is >98percent pure. It is a lysosomal protein stored in azurophilic granules of the neutrophil which produces hypochlorous acid from hydrogen peroxide and chloride anion during the neutrophil respiratory burst. Supplied as a lyophilized, salt-free, green soluble powder which is stable for over a year when stored at 5°C. 150 -160 units per mg of protein. 1 unit will decompose 1 μmole of H₂O₂ per minute at pH 7.0 and 25°C using 4-amino-antipyrine as hydrogen donor.
Source: Human sputum
Molecular Weight: 59,000 Reduced

Sample Characteristics

Lot Number: SAMPLE
Aliquot: 1 x 1.0 mg
Concentration: Lyophilized
Buffer: Salt free
Form: Lyophilized powder
Specific activity: 155 Units/mg (1 unit will decompose 1 μmole of H₂O₂ per minute at pH 7.0 and 25°C using 4-amino-antipyrine as hydrogen donor.)

Shipping Information

Recommended Storage: 4 C
Shipping Conditions: Cold pack
Minimum Shelf Life: 12 months from delivery

For In Vitro laboratory use only