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# Certificate of Analysis and Data Sheet Purified Mouse Nerve Growth Factor – 2.5S

**Catalog No.**  
DS-01-0324

**Target Species**  
Mouse

## Introduction

Nerve growth factor has a variety of effects on the growth and development of sensory and sympathetic neurons. In the peripheral nervous system, NGF is required for the development and maintenance of sympathetic nerve cells that use catecholamine neurotransmitters.

## Preparation

Murine nerve growth factor is prepared from the submaxillary glands of mice by a modification of the method of Bocchini and Angeletti.

## Formulation

**Product Form:** Purified natural murine nerve growth factor - lyophilized

**Preservative Stabilizers:** None present

**Approx. Protein Concentration:** 1.0mg/ml

**Molecular Weight:** 13kD

**Purity:** >98% by SDS PAGE

**Reconstitution:** Reconstitute with 1.0 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. RayBiotech recommends that the vial is gently mixed after reconstitution.

## Applications

Functional Assays. Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

## Storage

Prior to reconstitution store at +4°C. Following reconstitution store at -20°C. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 3 months from date of reconstitution

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**