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Certificate of Analysis and Data Sheet

Native Pig Intrinsic Factor

Catalog No.
DS-01-0266

Target Species
Pig

Description

Pig gastric intrinsic factor is essential for the absorption of vitamin B12 by the terminal ileum. It's a glycoprotein secreted by the parietal cells of the stomach.

Formulation

Product Form: Purified protein from porcine stomach - liquid

Buffer Solution: Distilled water

Preservative Stabilizers: None present

Approx. Protein Concentrations: Total protein concentration 0.5 mg/ml

Purity

This product was found to be >98% pure based on a B12-binding assay using cobinamide and anti-intrinsic factor blocking antibodies

Activity

30,000 U/mg protein

One unit will bind 1 ng of Vitamin B12

Dilute with 100 mM potassium phosphate, pH 7.5, containing 0.1 mg/ml BSA

Applications

Table Summary of protein applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Functional Assays	•			

Note: Other applications have not been tested. Optimal dilutions should be determined by each laboratory for each application.

Storage

Store at -20°C only. Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 12 months from date of dispatch.

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