

SPECIFICATION

Pepsinogen II Human Gastric Mucosa

GENERAL INFORMATION

Catalogue Number	440-52	Storage Temperature	-20°C
Lot Number	Report	Shipping Note	Cold pack
Synonyms	Gastricin, Pepsinogen C	Received By	_____
Molecular weight	40,600	Receipt Date	_____

PRODUCT INFORMATION

Source	Human gastric mucosa
Form	Powder, lyophilized from tris chloride, pH 8.5
Appearance	White to off-white powder
Solubility	Clear, colorless (1 mg/mL 0.02 M Tris-Chloride, pH=8.0 buffer)
Purity	≥ 90% (SDS-PAGE, may contain minor cleavage products)
Protein	Report mg protein/vial ($E^{0.1\%}_{280\text{ nm}} = 1.43$)
Specific Activity	≥ 1,000 U/mg protein (after activation)
Unit Definition	One unit will produce a ΔA_{280} of 0.001 per minute at pH 2.0 and 37°C, measured as TCA-soluble products from hemoglobin.
Recertification	Three years from date of manufacture

HANDLING INFORMATION

Handling	Handle as a potentially hazardous substance. After reconstitution maintain at or above pH 8.0 to avoid activation.
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Non-infectious disease statement: Negative or non-reactive at the donor level for anti HIV 1 and 2, anti HCV, syphilis (RPR), and HBsAg by FDA approved methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at the Biosafety Level 2 (BSL 2) as recommended for any potentially infectious human serum or blood specimen in the CDC/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009. This product is intended for research, laboratory use, or further manufacturing. It is not for administration to humans. We certify this to be true to the best of our knowledge. The statements herein are offered for informational purposes only and are intended to be used solely for your consideration, investigation and verification. The suitability of this product for each application must be determined by each end user.

