

PAPAIC DIGEST OF SOYBEAN MEAL (PEPTONE S2) (9213)

Intended Use

Papaic Digest of Soybean Meal (Peptone S2) is an enzymatic digest of soybean meal for use in preparing microbiological culture media.

Product Summary and Explanation

Papaic Digest of Soybean Meal (Peptone S2) is an enzymatic hydrolysate of soybean meal prepared under controlled conditions for use in microbiological procedures. Papaic Digest of Soybean Meal is recommended for use in media for the cultivation of a large variety of organisms, including fungi and microbiological assay media. The nitrogen source in Papaic Digest of Soybean Meal contains naturally occurring, high concentrations of vitamins and carbohydrates of soybean. Due to its high carbohydrate content, Papaic Digest of Soybean Meal cannot be used for fermentation studies. This media ingredient produces clear solutions at culture media concentrations and neutral reactions after autoclaving.

Papaic Digest of Soybean Meal minimizes Bovine Spongiform Encephalopathy (BSE) risk in vaccine production because of the plant origin of this product.

Principles of the Procedure

Papaic Digest of Soybean Meal provides nitrogen, vitamins, and minerals in prepared culture media.

Precaution

1. For Laboratory Use.

Quality Control Specifications

Physical Specifications

Dehydrated Appearance: Powder is homogeneous, free flowing yellow-beige to tan powder.

Prepared Appearance (2% wt/vol): Prepared medium is brilliant to clear, amber may have light precipitate.

Chemical Composition:

CAS #	68607-88-5
Total Nitrogen (TN):	≥ 8.4%
Amino Nitrogen:	2 - 3%
Ash:	≤ 15.0%
Moisture:	≤ 5%
pH (2% solution):	6.5 - 7.5

Microbiology:

Standard Plate Count: < 1000 CFU / g
Coliform: < 10 CFU / g

Growth Supporting Properties:

Peptone Agar: Satisfactory

Test Procedure

Refer to appropriate references for specific procedures using Papaic Digest of Soybean Meal.

Results

Refer to appropriate references for test results.

Storage

Store sealed bottle containing Papaic Digest of Soybean Meal at 2 - 30°C. Once opened and recapped, place container in a low humidity environment at the same storage temperature. Protect from moisture and light by keeping container tightly closed.

Expiration

Refer to expiration date stamped on the container. Papaic Digest of Soybean Meal should be discarded if not free flowing, or if appearance has changed from the original color. Expiry applies to Papaic Digest of Soybean Meal in its intact container when stored as directed.

Packaging

Papaic Digest of Soybean Meal (Peptone S2)	Code No.	9213A 500 g
		9213B 2 kg
		9213C 10 kg

Technical Information

Contact Acumedia Manufacturers, Inc. for Technical Service or questions involving dehydrated culture media preparation or performance at (517)372-9200 or fax us at (517)372-2006.