

## PANCREATIC DIGEST OF GELATIN (7182) (Peptone G)

### **Intended Use**

**Pancreatic Digest of Gelatin (Peptone G)** is an enzymatic digest of gelatin for use in preparing microbiological culture media.

### **Product Summary and Explanation**

Pancreatic Digest of Gelatin (Peptone G) is an enzymatically hydrolyzed gelatin for use in preparing microbiological culture media. Pancreatic Digest of Gelatin provides a complex nitrogen source, and is used as a media ingredient for fermentation studies. Peptone G alone is used to support the growth of non-fastidious microorganisms. Pancreatic Digest of Gelatin is deficient in carbohydrates, and distinguished by low cystine and tryptophan content.

### **Principles of the Procedure**

Pancreatic Digest of Gelatin (Peptone G) provides nitrogen, amino acids, vitamins, and carbon to provide consistent growth in microbiological culture media.

### **Precaution**

1. For Laboratory Use.

### **Quality Control Specifications**

**Dehydrated Appearance:** Powder is homogeneous, free-flowing and off-white to beige.

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

### **Chemical Composition:**

Total Nitrogen (TN):	≥ 16.0%
Amino Nitrogen:	2.0 – 3.0%
Ash:	≤ 6.5%
Moisture:	≤ 6.0%
pH (2% solution):	6.7 - 7.1

### **Microbiology:**

Standard Plate Count:	≤ 5,000 CFU / g
<i>Salmonella</i> (per 25 g):	Negative

### **Growth Supporting Properties:**

Peptone Agar - <i>Escherichia coli</i> :	Good to Excellent Growth
<i>Staphylococcus aureus</i> :	Poor to Fair Growth

### **Test Procedure**

Refer to appropriate references for specific procedures using Pancreatic Digest of Gelatin.

### **Results**

Refer to appropriate references for test results.

### **Storage**

Store sealed bottle containing Pancreatic Digest of Gelatin 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 container. Pancreatic Digest of Gelatin should be discarded if not free flowing, or if the appearance has changed from the original color. Expiry applies to Pancreatic Digest of Gelatin in its intact container when stored as directed.

### **Packaging**

<b>Pancreatic Digest of Gelatin (Peptone G)</b>	<b>Code No.</b>	<b>7182A</b>	<b>500 g</b>
		<b>7182B</b>	<b>2 kg</b>
		<b>7182C</b>	<b>10 kg</b>

### **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.