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Documents

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Biuret reagent

★★★★★ (0)

protein detection level 150-1,000 µg/mL

Synonym(s):

Micro Lowry, Onishi & Barr Modification

PubChem Substance ID:

24891740

NACRES:

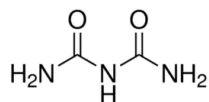
NA.32

SKU	Pack Size	Availability	Price	Quantity
B3934-110ML	110 ML	 Available to ship on October 10, 2022 Details...	€71.70	— + 

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RECOMMENDED PRODUCTS

**Sigma-Aldrich**
15270**Supelco**
1.10307

**Biuret**

98% (Contains ≤10%(w/w) Triuret)

[View Price and Availability](#)**Protein Kit**

(Biuret Method) reagent solution for approx. 250 determinations

[View Price and Availability](#)

PROPERTIES

form	liquid
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Quality Level	100
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protein detection level measuring range	150-1,000 µg/mL
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storage temp.	2-8°C
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DESCRIPTION

General description

Biuret reagent is used for measuring total protein concentration. It comprises of copper II (cupric ion) alkaline solution, which interacts with the peptide bond to form a blue adduct which is measured at 540nm. Biuret method is less sensitive when compared to other protein estimation methods like Lowry and Folin-Ciocalteu techniques.

Application

Biuret reagent has been used for protein quantification of high-pressure thermal hydrolysis lysate(HPTH), oyster hemolymph and *Clostridium cellulovorans* (CBDclos) aggregates.

RELATED PRODUCTS

Related Product

TP0200

Total Protein Kit, Micro-Lowry, Onishi & Barr Modification, sufficient for ~50 manual assays

[View Pricing](#)

SAFETY INFORMATION

Storage Class Code	WGK	Flash Point(F)	Flash Point(C)
12 - Non Combustible Liquids	WGK 1	Not applicable	Not applicable

DOCUMENTATION

Certificate of Analysis

Enter Lot Number to search for Certificate of Analysis (COA).

Lot Number

How to enter Lot Number (COA)

Certificate of Origin

Enter Lot Number to search for Certificate of Origin (COO).

Lot Number

How to enter Lot Number (COO)

Product Information Sheet

[Product Information Sheet - B3934](#)

More Documents

[Spectra - ATR-IR](#)

[SDS](#)

CUSTOMERS ALSO VIEWED



Sigma-Aldrich

TP0300**Total Protein Kit, Micro Lowry, Peterson's Modification**[View Price and Availability](#)

Supelco

P5369**Protein Standard**

analytical standard, 200 mg/mL (BSA)

[View Price and Availability](#)

PEER REVIEWED PAPERS

Non-lethal determination of sex and reproductive condition of Eastern oysters *Crassostrea virginica* Gmelin using protein profiles of hemolymph by Proteinchip textregistered and SELDI-TOF-MS technology

Li Y, et al.*Aquaculture (Amsterdam, Netherlands), 309(1-4), 258-264 (2010)*

Bacterial inclusion bodies as potential synthetic devices for pathogen recognition and a therapeutic substance release

Talafova K, et al.*Microbial cell factories, 12(1), 16-16 (2013)*

Proteins and Albumin

Roger LB*Laboratory Medicine, 45(1), e25?e41-e25?e41 (2014)*

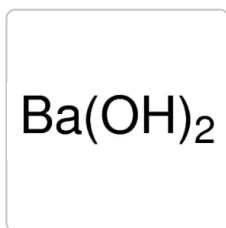
Production of volatile fatty acids by fermentation of waste activated sludge pre-treated in full-scale thermal hydrolysis plants

Morgan-Sagastume F, et al.*Bioresource Technology, 102(3), 3089-3097 (2011)*

A simplified method of quantitating protein using the biuret and phenol reagents.

ST Ohnishi et al.

RECENTLY VIEWED PRODUCTS

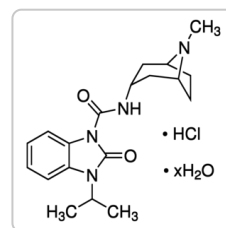


Sigma-Aldrich

B4059

Barium hydroxide solution

0.3 N

[View Price and Availability](#)

Sigma-Aldrich

B4063

BIMU8 hydrate

≥98% (HPLC)

[View Price and Availability](#)

Reviews

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TECHNICAL SERVICE

Our team of scientists has experience in all areas of research including Life Science, Material Science, Chemical Synthesis, Chromatography, Analytical and many others.

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