
Calcium Determination Versene Method

Techniques in Calcium Research

Milk - Determination of Calcium Content -
Titrimetric Method

A Referee Methods for the Determination of
Calcium in Serum

Rapid Procedure for the Determination of Calcium
Quantitative Determination of Calcium by the
Magneto-optic Method

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An Investigation of the Permanganate Method for
the Determination of Calcium

Evaluation of an Extrinsic Tracer Method for the
Measurement of Calcium Bioavailability from
Dairy Products

Milk

Sodium Chloride for Industrial Use

A Referee Method for the Determination of
Calcium in Serum

Report of the Inter Laboratory Trial of the
Reference Method for the Determination of Total
Calcium in Serum

Report on the Inter-laboratory Trial of the
Reference Method for the Determination of Total
Calcium in Serum. Part I Report

Standard Test Method for Determination of Calcium and Magnesium in Magnesium Ferrosilicon by EDTA Titration
A Reference Method for the Determination of Chloride in Serum
Calcium Measurement Methods
Developments of Automatic Continuous Flow Methods for the Determination of Iron and Calcium
Standard Reference Materials, a Reference Method for the Determination of Calcium in Serum
D 511 - 52 Standard Method of Test for Calcium Ion and Magnesium Ion in Industrial Water
A Reference Method for the Determination of Calcium in Serum
Milk. Determination of Calcium Content. Titrimetric Method
The Measurement of Body Calcium in Vivo by Exhaled ^{37}Ar Method
Metabolism of Calcium, an Attempt to Find a Method for the Determination of Calcium Ions in Blood Serum
A Method for Determination of Calcium in Serum, Parotid Fluid and Urine in the Weightless State
Adaptation of Calcein Titration Method for Calcium Determination in Tissues Without Ashing
Determination of Calcium in Wolframite Concentrates by Fluorescent X-ray Spectrography
A Rapid Accurate Method for the Determination of Calcium in the Presence of Magnesium, Iron, Aluminum, Manganese, Phosphorus, Sodium and Titanium

A Method for Quantitative Determination, Purity Testing and Stability Measurement of Calcium Leuovorin
Ethylenediaminetetraacetate Separation of Calcium from Uranium for Flame Photometric Analysis
Evaluation of a Rapid Micro Method for the Determination of Serum Calcium
Calcium in High-purity Sodium Salts
Complexometry with EDTA and Related Reagents
The Determination of Calcium and Magnesium in Biological Fluids
Standard Reference Materials
A Method for the Determination of Calcium Carbide
The Determination of Calcium by Atomic Absorption Spectrophotometry
Determination of Calcium in Lead-calcium Alloys of Low Calcium Content
The Rapid Volumetric Determination of Calcium in Pregnant Solutions in Uranium Plants. Laboratory Method
Standard Reference Materials
Determination of Calcium Ion in Extracts Obtained from Chemical Durability Tests on Glass

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Techniques in Calcium

Research Forgotten Books
A method is described for the rapid determination of calcium in pregnant

solutions. Most of the manganese in the sample is precipitated by boiling the sample with sodium chlorate in nitric acid solution. After the soluble salts have dissolved, the pH value is adjusted to 5, and the solution and hydrated precipitates of iron, aluminium, and manganese are diluted to volume and filtered. Any remaining nickel, cobalt, and manganese are extracted from an aliquot portion of this solution into carbon tetrachloride, as diethyldithiocarbamate complexes. Calcium is determined in the aqueous phase by titration with a solution of EGTA. A zinc-zincon couple is used as the indicator.

Milk - Determination of Calcium Content - Titrimetric Method
Humana Press

Since the introduction of fluorescent calcium indicators and the subsequent development of capacities for real-time monitoring and imaging of calcium movements in the intact cells studied in isolation, in situ and in vivo, the complex and vital calcium signaling system has been illuminated, proving calcium signals to be excellent universal reporters of cellular activity. In "Calcium Measurement Methods", a team of renowned experts in the field contribute methods dedicated to calcium imaging in neural cells with a balance between the main principles of calcium imaging and specific applications of the technique to neural tissues. The book's

contents show how the combination of different indicators and recently developed microscopic techniques lead to spectacular successes in the imaging of neural cells in the living brain in both physiological and pathophysiological models. As a volume in the successful Neuromethods™ series, the chapters provide authoritative reviews including up-to-date detailed protocols of the most commonly used approaches in the field. Cutting-edge and concise, "Calcium Measurement Methods" serves as an ideal reference to aid the many scientists worldwide engaged in calcium imaging of the nervous system.

A Referee Methods for the

Determination of Calcium in Serum

Milk, Dairy products, Chemical analysis and testing, Determination of content, Calcium, Condensed milk, Evaporated milk, Dried milk, Volumetric analysis, Specimen preparation

Rapid Procedure for the Determination of Calcium

Abstract. A method for the micro-titration of total calcium in urine with EDTA, using calcein as a fluorescent indicator was developed. Of the major species normally found in urine only phosphate interferes seriously, and this interference can be overcome by appropriate selection of sample size. A series of urine samples titrated by this method gave values that

agreed reasonably well with those obtained by atomic absorption spectroscopy, but averaged slightly higher. Methods for the determination of ionic calcium in urine were examined. The coated wire calcium ion-selective electrode reported by Freiser and coworkers was prepared and evaluated. It was found unsuitable for the determination of ionic calcium due to erratic and non-reproducible behavior. The spectrophotometric technique of Raaflaub using tetramethylmurexide was found to be more reliable and accurate. A set of urine samples was analyzed for ionic calcium by this method and for total calcium by atomic absorption

spectroscopy. An average of 55% ionic calcium was found. No reliable method has been reported for the determination of ionic magnesium in biological fluids. Work was initiated to find a reagent analogous to tetramethylmurexide for this analysis. The compound 1-(2-vinyl-4-carboxyphenylazo)-2-hydroxynaphthalene was synthesized and investigated, but was found to be unsuitable owing to the insolubility of the magnesium complex. A more soluble derivative was prepared by incorporation of a sulphonic acid group in the molecule ($R = \text{SO}^-\text{H}$). However, complex formation with magnesium takes place only at pH values above the physiological

range, which makes it unsuitable for the analysis of biological fluids.

Quantitative Determination of Calcium by the Magneto-optic Method

Excerpt from Standard Reference Materials: A Referee Method for the Determination of Calcium in Serum Nbs Misc. Publ. 260-1, Standard Reference Materials: Preparation of nbs White Cast Iron Spectrochemical Standards, June 1964. 30 cents.* nbs Misc. Publ. 260 - 2, Standard Reference Materials: Preparation of nbs copper-base Spectrochemical Standards, October 1964. 35 cents. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic

books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works. Liming Materials This method covers the gravimetric

determination of calcium ion and magnesium ion after removal of silica, phosphates, iron, aluminum, and manganese, when necessary. The method is applicable to industrial water.

An Investigation of the Permanganate Method for the Determination of Calcium

Since the Manned Orbiting Laboratory program includes on-board monitoring of calcium metabolism, a method suitable for this determination under conditions of weightlessness has been investigated. Most techniques for calcium assay that are used at the present time have certain disadvantages that would preclude their use under conditions of weightlessness;

whereas the NFR technique of Baar, as modified by Kingsley and Robnett, is simple, and all steps in the procedure are compatible with performance in the weightless state. The possible interference of magnesium, hemolysis, and protein was investigated. The method has been adapted to an apparatus to effect mixing in the weightless state and is regarded as a practicable first-generation method for monitoring calcium metabolism.

Evaluation of an Extrinsic Tracer Method for the Measurement of Calcium Bioavailability from Dairy Products

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the Determination of Calcium in Serum Report of the Inter Laboratory Trial of the Reference Method for the Determination of Total Calcium in Serum

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A Referee Method for the Determination of Calcium in Serum

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