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In this issue

Research Article

Open Access Research Article PTZAID:OJABC-4-122

Dissolution testing of prolonged-release tablets using experimental design approach

Published On: October 06, 2020 | Pages: 034 - 039

Author(s): Blagica Manchevska*, Filip Smilcevski, Maja H Gigovska, Packa Antovska and Sonja Ugarkovic

Dissolution testing is an essential tool in the pharmaceutical industry and is used in formulation and process development, in monitoring of the manufacturing process, as a quality control test, to predict the in vivo performance. The purpose of this study is to evaluate the behaviour of the test and reference products using conventional dissolution apparatus basket a ...

Abstract View Full Article View DOI: 10.17352/ojabc.000022

Open Access Research Article PTZAID:OJABC-4-120

Triosephosphate isomerase from baker’s yeast – ribozyme versus protein

Published On: August 18, 2020 | Pages: 020 - 028

Author(s): ON Solovjeva*

It was previously shown that in baker’s yeast Saccharomyces cerevisiae, transketolase can exist not only free, but in complex with RNA. The complex does not possess transketolase activity [N.K. Tikhomirova, G.A. Kochetov, A new method of isolation and a new form of transketolase from baker’s yeast, Biokhimiia 56 (1991) 1123-1130]. We discovered that this RNA is a ri ...

Abstract View Full Article View DOI: 10.17352/ojabc.000020

Open Access Research Article PTZAID:OJABC-4-119

Application of Pollution Load Indices, Enrichment Factors, Contamination Factor and Health Risk Assessment of Heavy Metals Pollution of Soils of Welding Workshops at Old Panteka Market, Kaduna-Nigeria

Published On: August 07, 2020 | Pages: 011 - 019

Author(s): Abdullateef Jimoh*, Edith B Agbaji, Victor O Ajibola and Mustapha A Funtua

The concentration of five soil heavy metals ions (Cr6+, Cu2+, Cd2+, Pb2+, and Ni2+) was measured in eleven sampling sites along Old Panteka market Kaduna from two different depths. These chemical elements in the samples were determined using atomic absorption spectrometer. The assessment of heavy metal pollution was derived using the Enrichment Factors (EF) and geoacc ...

Abstract View | Full Article View | DOI: 10.17352/ojabc.000019

Open Access Research Article PTZAID:OJABC-4-118

A fluorescence enhancement assay for measurement of glutamate decarboxylase activity

Published On: June 29, 2020 | Pages: 007 - 010

Author(s): Manoochehr Messripour* and Azadeh Mesripour

Glutamic Acid Decarboxylase (GAD) is an enzyme that converts glutamate to -aminobutyric acid (GABA) both in the brain and pancreatic -cells. Several analytical methods are described for quantitative assay of GAD, where little attention has been given to the enzyme regulation in tissues, in part, due to the complexity of the methods. In this study, a novel fluorimetr ...

Abstract View | Full Article View | DOI: 10.17352/ojabc.000018

Open Access Research Article PTZAID:OJABC-4-117

Isocratic HPLC Method for Simultaneous Determination of Amlodipine and Xipamide in Human Plasma

Published On: May 06, 2020 | Pages: 001 - 006

Author(s): Mahmoud M Sebaiy*, Hisham E Abdellatef, Mohamed A Elmosallamy and Mustafa Kh Alshuwaili

An HPLC method had been developed and validated for rapid simultaneous separation and determination of the two antihypertensive drugs, amlodipine and xipamide in human plasma within 5 minutes. ...

Abstract View Full Article View DOI: 10.17352/ojabc.000017

Procedures

Open Access Procedures PTZAID:OJABC-4-121

Designing and evaluating analytical parameters to adapt siemens urinary creatinine enzymatic method to open system analysers

Published On: September 17, 2020 | Pages: 029 - 033

Author(s): Ashraf Mina*, Leah McNeice, Shanmugam Banukumar and Santiago Vazquez

Urinary creatinine is measured to assess kidney function and also as part of sample validity testing in drugs of abuse. Creatinine methods based on alkaline picrate Jaffé’s reaction require extra cleaning on chemistry analysers to minimise any interference from picric acid and sodium hydroxide on other reagents on board. Enzymatic methods reagents are not as invasive ...

Abstract View Full Article View DOI: 10.17352/ojabc.000021