

Current Pharmaceutical Analysis

Manuscript Evaluation Form

Editor-in-Chief: Anastasios Economou, Department of Chemistry, Laboratory of Analytical Chemistry, University of Athens, Athens, Greece

PAPER TITLE	Development and validation of an automated static headspace gas chromatography method for determination of dichloromethane in ampicillin sodium by using capillary column technology
AUTHOR(S) NAME	Manisha Trivedi, Elsy Raynil John, Faraat Ali*, Anuj Prakash, Robin Kumar, Gyanendra Nath Singh

Sec. A: REFEREE'S ASSESSMENT

(cross as appropriate)

Criterion	Excellent	Good	Fair	Poor
Originality of the topic	x			
Technical Quality		x		
Importance in its Field	x			
Style & Overall Representation		x		
Readily Understandable	x			
Suitability for the Journal	x			
Adequate Illustrations or Drawings	x			
English language		x		
Description	Yes	No	Comments/ Suggestions	
Does the title represent manuscript's contents?	x			
Is the Abstract accurate and concise?	x			
Are the approach/ methods properly described?	x			
Are the conclusions and interpretations sound?	x			
Are the references properly cited?	x			
Is this a new/ original/ contribution?	x			
Is it within the scope of the journal?	x			
Overall the Paper is Rated:	(Excellent -8----- Poor) 10 9 8 7 6 5 4 3 2 1			

Sec. B: REFEREE'S RECOMMENDATIONS

OTHER SPECIFIC CRITICISMS

Accept with minor changes

x

Imperfect style

x

Accept with major changes

Too long

Reject in current form, but may be resubmitted

References incorrectly presented

Reject, with no resubmission

Typographical and Grammatical errors

x

PAPER TYPE: Research article

Review article

Letter article

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Confidential Comments to the Editor (not for Transmission to Authors):

This study is an important contribution in the field, suitable for publication, after some revision that I suggest.

Comments for the Authors (continue on another sheet, if necessary):

Review of the article entitled

Development and validation of an automated static headspace gas chromatography method for determination of dichloromethane in ampicillin sodium by using capillary column technology, by Manisha Trivedi, Elsy Raynil John, Faraat Ali*, Anuj Prakash, Robin Kumar, Gyanendra Nath Singh

In this study, the development and full validation of a novel, advanced static head space gas chromatographic (SHS-GC) analytical method, equipped with capillary column and flame ionization detector (FID), for determination of dichloromethane (DCM) in ampicillin sodium (AMP) is reported. The obtained results demonstrate that this method is selective, precise, linear, accurate and robust, with no use of internal standard, as well as of any other harmful organic solvent as a diluent. Therefore the method is appropriate for its intended use.

This is an important contribution in the field, suitable for publication, after some revision that I suggest.

The English language has to be improved.

For example, on page 5, add one coma and space before flow rate, as follows (nitrogen ultrapure grade), flow rate was 0.5 mL min⁻¹

Dichloromethane was accurately weighed should be used, add was before accurately weighed

This solution was further diluted, add was before further diluted

On page 6, Reference solution was transferred should be used

Ampicillin test sample was weighed should be used preferably, instead of

Ampicillin test sample weighed

On page 7, replace residual solvent in the sample is also checked, instead of is to checked

Dichloromethane is one of the common solvents used, instead of one of the common solvent

On page 10, replace Table 7 shows, as well as Table 8 shows, instead of showed

In Keywords, place DB-624 after Capillary column

Use the complete term and the abbreviation at the first place where it appears in the manuscript, in the rest of the text use either the abbreviation of full term.

For example, put the abbreviation (DCM) after dichloromethane in the Abstract instead of in the Introduction, if other abbreviations are also already used in the Abstract

In the first sentence of the Introduction, put the full term active pharmaceutical ingredient before the abbreviation (AIP)

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In the fourth sentence, use either active pharmaceutical ingredient or AIP

Use one space between the numbers and units of measure, as well as percent or %, instead of per cent and s instead of sec in the entire manuscript

Use dichloromethane and ampicillin with the first letter small within the text of the manuscript, except at the beginning of the sentence

Use the same labeling for liter L in the entire manuscript

The numbers and units of measure should be in the same row.

On page 6, move to the next row 1.325 g beside mL^{-1} , as follows 1.325 g mL^{-1}

Similarly, move to the next row 100 beside ppm, 2 beside ppm, 100 beside %, 240 beside ppm

On page 8, move to the next row 0.32 beside mm, as well as 30 beside min, as follows, 0.32 mm and 30 min

On page 9, move to the next row 20.0 beside mL, as follows, 20.0 mL

Format the entire manuscript according to the style of the journal.

Place the Figures with their legends, as well as the Tables with the captions at the adequate places in the manuscript.

Delete the points after Table captions.

In Table 2, place below Fill speed, ($\mu\text{l s}^{-1}$): in the same row

Subheading Preparation of linearity solution, on page 6 should be bold

FIELD OF EXPERTISE OF REFEREE: Materials and chemical technologies, nanotechnologies, biomedical engineering, chemistry, medicinal and pharmaceutical chemistry

Name & Affiliation of referee: Tamara Jovanovic, Department of Biomedical Engineering, Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11120 Belgrade, Serbia

Dr Tamara Jovanovic / January 23, 2019

SIGNATURE OF REFEREE / DATE

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