

Manuscript Evaluation Form

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|-----------------------|---|
| PAPER TITLE | Development of Two Innovative 96-Microwell-Based Spectrophotometric Assays with High Throughput for Determination of Fluoroquinolone Antibiotics in their Pharmaceutical Formulations |
| AUTHOR(S) NAME | Ibrahim A. Darwish, Mohammed N. Al Qhatani and Khalid A. Al Qubaisi |

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 | | |
| Overall the Paper is Rated: | (Excellent ----- Poor) 10 9 8 7 6 5 4 3 2 1 | | | |

| Criterion | 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/ confirmatory contribution? | x | | |
| Is it within the scope of the journal? | x | | |

Sec. B: REFEREE'S RECOMMENDATIONS**OTHER SPECIFIC CRITICISMS**

Accept with minor changes

x

Imperfect style

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

x

Review article

Letter article

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

This article is within the scope of the journal and suitable for publication after some minor revision.

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

Review of the article “Development of Two Innovative 96-Microwell-Based Spectrophotometric Assays with High Throughput for Determination of Fluoroquinolone Antibiotics in their Pharmaceutical Formulations“, by Ibrahim A. Darwish, Mohammed N. Al Qhatani and Khalid A. Al Qubaisi

In this study, the development and validation of two innovative, simple and economic 96-microwell-based spectrophotometric assays with high throughput for pharmaceuticals quality control of seven fluoroquinolone antibiotics (FQAs) is described. The obtained results indicate that they are convenient and valuable for routine use in pharmaceutical quality control laboratories for determination of FQAs in pharmaceutical formulations. An additional advantage of the proposed assays is that all the FQAs could be determined on a single system without modifications in the detection wavelength.

This article is within the scope of the journal and suitable for publication after some minor revision.

The English language has to be improved at some places.

State complete term and the adequate abbreviation in brackets at the first place where it appears in the manuscript, in the rest of the text either abbreviation or full term can be mentioned, for example in the abstract, objectives, either fluoroquinolone antibiotics or FQAs can be used

On page 3, paragraph 1, lines 10 and 12, add comma before, such as

Line 19, replace procedures which have, instead of procedures which has

Paragraph 2, line 4, state rapid identification of active compounds

Line 11, is frequently applied, or frequent application

On page 4, paragraph 2, line 7, use plural for Adjustable 8-channel-pipettes were obtained

On page 5, paragraph 1, lines 2 and 3, put the number and the unite of measure in the same row, 25 ml

Line 5, in 25 ml of acetonitrile

Paragraph 3, lines 3 and 4, place 25 mg in the same row

On page 6, paragraph 1, line 6, except 100 μ l of 0.05 M HCl that was used instead of the sample solution

Paragraph 2, line 6, except 100 μ l of acetonitrile that was used instead of the sample solution

Paragraph 3, lines 2 and 3, place 0.05 M HCl in the same row, preferably

End the sentence with a point, after (FQAs + FeCl₃)

Line 9, determination of the molar ratio of the reaction between FQAs and FeCl₃

On page 7, paragraph 1, line 8, end the sentence with a point, after (FQAs + DDQ)

On page 8, paragraph 3, line 2, add comma before, while keeping the others constant

On page 9, paragraph 1, line 6, comparable results were obtained with 0.05 M HCl

Lines 9 and 10, place 70 °C in the same row

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Paragraph 2, lines 3 and 4, italic can be used for *n*-propanol, *n*-butanol, as well as in the footnote of Table 1

Page 10, paragraph 1, line 2, use plural for the color signals were generated

Format the entire manuscript according to the style of the journal and insert Figures and Tables at the appropriate places in the manuscript.

Add the number of issue to references 3, 11, 15, 25, 26, 27 and 38.

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

Tamara Jovanovic / January 04, 2021

SIGNATURE OF REFEREE / DATE