

ESPS Peer-review Report
Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 7669

Title: RECENT ADVANCES IN MOLECULAR DIAGNOSTICS OF HEPATITIS B VIRUS

Reviewer code: 02822399

Science editor: Ling-Ling Wen

Date sent for review: 2013-11-28 13:49

Date reviewed: 2013-12-11 05:03

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

Datta and his colleagues did a good job and illustrate their idea clearly. However, I have some points:

- 1- Too long introduction outside the scope of the review. It occupied about one third of the review. You have to go directly to your idea about molecular measurements. No need for HBV distribution, pathogenesis, life cycle and so on.
- 2- Again your review about molecular diagnosis and contain over than three pages about HbsAg.
- 3- Starting from page 12 (polymerase chain reaction based strategies), you need to make subtitles for clarity and to organize your ideas.
- 4- Your review focuses mainly on the isothermal amplification strategies. However, many other techniques are present like TAIL and others.
- 5- You have to make comparisons between different techniques and the advantages of one over the others depending on time of detection, specificity, sensitivity and so on.
- 6- Abbreviations in your review needs to be revised carefully:
 - a- Many abbreviations appears in your abstract without explanation.
 - b- In pages 8 and 12 the same sentence is duplicated for explanation of LAMP, NASBA and TMA.
 - c- Many abbreviations appeared in your document without explanation: CHB, WHO, LC, RFLP, ...
 - d- Try to make a table of abbreviation.
- 7- You need English check for your document for example:
 - a- page 3 line 11: and an estimated 1 million
 - b- page 12 line 8: relatively simpler, requirement of
 - c- page 17 line 13: IU/ml IU/mL
 - d- page 20 line 19: developed to into an array-based.
 - e- page 21 line 4: gen
 - f- page 23 line 25: naive

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Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 7669

Title: RECENT ADVANCES IN MOLECULAR DIAGNOSTICS OF HEPATITIS B VIRUS

Reviewer code: 02453015

Science editor: Ling-Ling Wen

Date sent for review: 2013-11-28 13:49

Date reviewed: 2014-01-12 13:39

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

Major concerns: 1. According to the topic, this review paper should start from the section of "HBV Diagnosis". 2. As a review paper, Figures and/or tables comparing the mechanisms, benefits and differences of the diagnosis methods are highly recommended. 3. The length and number of references should be reduced. Please pay special attention to the application of each method under different circumstances. A clear guide to choice of diagnosis methods is more beneficial than irrelevant commonly known HBV basics. Please also follow the requirement of Manuscript Type (Topic Highlights). 4. English still needs to be improved.

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ESPS Manuscript NO: 7669

Title: RECENT ADVANCES IN MOLECULAR DIAGNOSTICS OF HEPATITIS B VIRUS

Reviewer code: 00052899

Science editor: Ling-Ling Wen

Date sent for review: 2013-11-28 13:49

Date reviewed: 2014-01-19 21:43

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

In this review manuscript, the authors clearly and systematically described recent advancements in the field of HBV molecular diagnostics, especially a number of isothermal amplification assays, such as LAMP, TMA, LCR, and RCA. However, there are some problems that should be considered. 1. The authors should go ahead to the introduction of HBV diagnostics instead of too many descriptions of HBV distribution, genome, pathogenesis and so on. 2. The paper made a detailed analysis of recent advancements of each single molecular diagnostic assay, but lacked necessary comparison of advantages, disadvantages and applicable conditions among different techniques, which was recommended to be presented in the form of figures or tables to take place of lengthy descriptions in words. 3. The length of the manuscript and the number of reference should be shortened. More attention should be focused on the description, comparison and reasonable choice of various diagnostic methods. 4. There are some typos that should be corrected prior to publication.

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Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 7669

Title: RECENT ADVANCES IN MOLECULAR DIAGNOSTICS OF HEPATITIS B VIRUS

Reviewer code: 00054317

Science editor: Ling-Ling Wen

Date sent for review: 2013-11-28 13:49

Date reviewed: 2014-01-29 02:49

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
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COMMENTS TO AUTHORS

This is a well written HBV molecular diagnostics overview that blends the perfect amount of referenced review with excellent description that is useful for the novice and 'jaded' expert alike!