

# ESPS Peer-review Report

**Name of Journal:** World Journal of Gastroenterology

**ESPS Manuscript NO:** 7850

**Title:** Comparison of the Abbott and Da-an real-time PCR assays for quantitating HBV DNA in serum

**Reviewer code:** 02861377

**Science editor:** Gou, Su-Xin

**Date sent for review:** 2013-12-04 16:28

**Date reviewed:** 2014-01-08 11:10

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)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input checked="" type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

In this manuscript, the authors compared the sensitivity and linear range of two HBV DNA quantification assays, Da-an assay and Abbott assay. Obviously, the Abbott assay presented a relative higher sensitivity and a wider linear range in clinical samples. The generated conclusion will be beneficial for the doctors to select the appropriate assay to quantify the HBV DNA level in chronic HBV- infected patients, especially in the developing countries. In addition, this manuscript is written in a clear and comprehensive way. However, as compared to other similar studies, there are several points need to be considered: 1. The authors should emphasize that the accurate DNA quantification is important for CHB patients and the significance of HBV DNA test in the introduction part. 2. The authors mentioned that Da-an assay did not specify the range of genotypes. It is necessary to examine this assay in samples with non-C HBV genotypes. 3. Similarly, it is necessary to examine this assay in samples with HBV DNA mutation, especially in durg-resistant (Lamivudine and Adeforvir) patients.



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**Name of Journal:** World Journal of Gastroenterology

**ESPS Manuscript NO:** 7850

**Title:** Comparison of the Abbott and Da-an real-time PCR assays for quantitating HBV DNA in serum

**Reviewer code:** 02520359

**Science editor:** Gou, Su-Xin

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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" 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	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	language polishing	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

Well written and conducted study and merits publication in its present form