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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Methodology

ESPS manuscript NO: 17502

Title: Hepatocyte selection medium eliminating induced pluripotent stem cells among primary human hepatocytes

Reviewer's code: 02446119

Reviewer's country: China

Science editor: Yue-Li Tian

Date sent for review: 2015-03-18 19:42

Date reviewed: 2015-04-10 09:48

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

In this review, Tomizawa M et al introduced their work on creating a hepatocyte selection medium (HSM) that lacks glucose and arginine but is supplemented with galactose, ornithine and proline, can efficiently eliminate undifferentiated iPS after differentiation induction. It would be better if the authors included some information concerning: 1. the successful induction of hepatocytes from iPS 2. the specific killing of HSM to iPS not the differentiated and primary hepatocytes This review is well organized and written. It could be accepted for publication consideration after minor revision.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Methodology

ESPS manuscript NO: 17502

Title: Hepatocyte selection medium eliminating induced pluripotent stem cells among primary human hepatocytes

Reviewer's code: 00504335

Reviewer's country: Czech Republic

Science editor: Yue-Li Tian

Date sent for review: 2015-03-18 19:42

Date reviewed: 2015-03-25 14:06

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input checked="" type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

The authors hypothesized that the culture medium without glucose and arginine, and supplemented with galactose and ornithine, could eliminate iPSC but it could enable the growth of primary human hepatocytes. It is interesting idea, but the proposal should be supported by experimental data. The manuscript is without such support. The authors should prepare a mixture of iPSCs and hepatocytes (or primary hepatocytes) and to culture such cell mixture in the proposed hepatocyte selection medium. If hepatocytes will survive and iPSC are eliminated, everything is OK. Without such demonstration, the manuscript is only a theoretical proposal.