

**ESPS Peer-review Report**

**Name of Journal:** World Journal of Translational Medicine

**ESPS Manuscript NO:** 5040

**Title:** Molecular Recognition of Live Methicillin-Resistant Staphylococcus aureus Cells using DNA Aptamers

**Reviewer code:** 00503442

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

**Date sent for review:** 2013-08-12 10:34

**Date reviewed:** 2013-08-25 14:20

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> [ Y] Accept
<input type="checkbox"/> [ Y] Grade B (Very good)	<input type="checkbox"/> [ Y] 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**

I read with great interest the manuscript entitled “Molecular Recognition of Live Methicillin-Resistant Staphylococcus aureus Cells using DNA Aptamers” by Turek et al. The manuscript is interesting, well written and well done. Minor revision: 1. The Authors, however, should paid attention to the Journal guidelines for Authors, especially for the Reference Section. 2. The sub-heading “Instrumentation, reagents and buffers seems too vague for explaining the methodology underlying the PCR.

## ESPS Peer-review Report

**Name of Journal:** World Journal of Translational Medicine

**ESPS Manuscript NO:** 5040

**Title:** Molecular Recognition of Live Methicillin-Resistant Staphylococcus aureus Cells using DNA Aptamers

**Reviewer code:** 02510582

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

**Date sent for review:** 2013-08-12 10:34

**Date reviewed:** 2013-09-07 14:56

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> 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

This manuscript describes the development of Aptamer probes for the detection of MRSA bacterial strains. The work is interesting and has merit to be accepted for publication in the this journal of following modifications: 1. The picture quality of Fig. 1,2,3 is very poor. Increase the resolution and font size of the written matter. 2. Add error bar in Fig.3 to show the reproducibility of the Kd determination. How many times Kd was determined for each sample. 3. The results shown by the authors are not completely quantitative. Please add the detection limit and also include the calibration plot for the MRSA detection. 4. It is must to show the real sample analysis data either by spiking or using standard addition method to confirm the applicability of this developed method in real sample analysis. Also add the regression equation for detection of MRSA.