Reviewer’s report

Title: Multiplex Polymerase chain reaction to diagnose bloodstream infections in patients after cardiothoracic surgery

Version: 1 Date: 01 Feb 2019

Reviewer: Mara Di Giulio

Reviewer's report:

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The Manuscript focus on an interesting topic: the use of molecular technique to diagnose bloodstream infections. Although, the topic is interesting, there are different thinks that have to clarify, insert and better explain.

Abstract

Abstract is too long, the Methods are not clear and incomplete.

Please, explain "(p=n.s.)", or put the real number.

The last part of Results in the Abstract is not clear, please correct it.

Methods

Please insert the Ethic Committee number.

Blood cultures paragraph: please, describe briefly in which kind of media aliquots of blood were cultivated.

Discrimination between infection and contamination in BC paragraph is not clear.

Discussion is too long it is too long and difficult to follow and read.

Attention to typing mistakes.
Tables and Figure

Put in italic form the name of bacteria e insert the abbreviation legend below tables

Figures are poorly in quality

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Unable to assess

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
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**Quality of written English**
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Needs some language corrections before being published
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