

[Review Form3](#)

Book Name:	<a href="#">Achievements and Challenges of Medicine and Medical Science</a>
Manuscript Number:	2024_BPR_4059
Title of the Manuscript:	<b>Outstanding Contributions of LAL Technology to Pharmaceutical and Medical Science: Review of Methods, Progress, Challenges, and Future Perspectives in Early Detection and Management of Bacterial Infections and Invasive Fungal Diseases</b>
Type of the Article	<b>Book Chapter</b>

**PART 1: Comments**

	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	The article is very important because presents an innovative method for the early diagnosis of bacterial and fungal infections. The method has shown a higher sensitivity than the LAL-based endotoxin and (1-3)- $\beta$ -D-glucan ( $\beta$ -glucan) assay, which must overcome some obstacles to ensure full methodological reliability. For this reason, use should be extended to all patients with reduced immune defences.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	The title is suitable, but very long I would suggest a shorter title that still makes the content of the article, as this one for example: <i>Outstanding contributions to the improvement of ALL technology in the early detection and management of bacterial infections and invasive fungal diseases</i>	
<b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b>	The abstract is understandable for readers with sufficient background, and describes exhaustively the content of the article. Does not require in my opinion, no change	
<b>Is the manuscript scientifically, correct? Please write here.</b>	The article demonstrates a very high level of knowledge and expertise in the topics covered, which are described with scientific rigor and excellent English	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	the references are very detailed and consistent with the topics covered. They are up to date with the latest acquisitions	
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	I have already answered this question see point 4	
<b>Optional/General</b> comments	The article addresses a very important topic such as the early diagnosis of fungal infections. After an in-depth historical analysis of the methods used and the improvements achieved describes effectively the most recent method suggested by the authors. The proposed method, given the importance of the pathological conditions to which it is intended, provides an important diagnostic advance	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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Department, University & Country	<b>University of Rome, Italy</b>