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摘要：BacT/ALERT 3D 240是法国梅里埃公司在BacT/ALERT 240基础上改良的具有世界领先水平的新一代血液培养系统，为了解改进后的优势，对我库用新系统检测1268份脐带血和用老系统检测1794份脐带血的结果进行比较分析，以传代培养及涂片镜检为金标准，二者的检测灵敏度、特异性、准确性分别为94.29%、100%、99.84%和90.48%、100%、99.78%，阳性检出时间分别为1.95h至6.0d和2.00h至6.5d。此外，新系统在硬件和软件方面具有明显优势，实用性更强。

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Comparison of two automated blood culture systems in excluding microbial contamination of cord blood

Abstract: BacT/ALERT 3D 240 is a new automated blood culture system improved from BacT/ALERT 240 (bioMerieux, France). The two systems were compared on detecting microbial contamination of cord blood in our bank. The sensitivity, specificity, and accuracy were 94.29%, 100%, and 99.84% when analyzing 1268 samples with the new system, and they were 90.48%, 100%, 99.78% in evaluation of 1794 samples with the old system. The durations needed for a positive detection were 1.95 h to 6.00 d with the new system and 2.00 h to 6.50 d with the old system. In addition, the new system held the advantages on some functions of hardware and software, which made it more convenient for practical use.

Key words:

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