

COMPARATIVE CHARACTERISTICS OF NUTRITIOUS PROPERTIES OF LOVENSTEIN-JENSEN MEDIA, MANUFACTURED BY HIMEDIA AND BIOMERIEUX

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Summary

It is well known, that the duration of the intensive phase of treatment of tuberculosis patients is 2 months. Therefore, bacteriological tests results awaiting time is extremely important for effective treatment of tuberculosis patients.

Out of 266 samples, taken from the patients, suspected with tuberculosis, 179 gave the growth of mycobacteria in *bioMerieux* medium, and 102 — in the medium manufactured by *Himedia*. Mean time of first mycobacteria colonies growth was $20 \pm 1,3$ and $32 \pm 2,5$ 20 for media, manufactured by *bioMerieux* and *Himedia*, respectively. Out of 50 cultures, that were tested for susceptibility to antibiotics, 15 gave not grow on *Himedia* medium. Mean time of susceptibility test reading was $15 \pm 1,2$ and $33 \pm 2,7$ days for media, manufactured by *bioMerieux* and *Himedia*, respectively.

Data obtained confirm better cultural properties of *bioMerieux* medium, allowing to obtain final results, in average, on the 35th day with preserving of 100 % of isolated cultures.