

## MASTITIS OF MYCOPLASMA BOVIS

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**Summary.** The following culture media were used for isolation of mycoplasma: PPLO, Broth Bacto, PPLO Agar Bacto (Difco), liquid media Martena. Colonies of the primary isolate were subcultured, identified by means of morphological, biochemical and immunological diagnostics.

Mastitis caused by *M. bovis* was detected in 13 out of 62 milk samples (21 %). The experiment was carried out on clinically healthy cows to prove the pathogenic properties of a separate mycoplasma culture.

*M. bovis* culture re-separated after 7 days from the beginning of the experiment. The principal therapy used for mycoplasma was: Tetracyclini hydrochloridum (6000 two times a day intramammarus). The treatment lasted for 5 days. The efficacy of the therapy was assessed recording the possible *M. bovis* growth in PPLO in Bacto Broth after the last treatment.

We established a pathological-histological diagnosis of experimental cows (infected with *M. bovis*).