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The level of Ig G in mastitic cow milk

S u m m a r y

The aim of the study was to determine Ig G (total) concentrations in milk from cows with different forms of mastitis, and in mastitic milk depending on etiological factor of mastitis. In 37 milk samples from Black-and-White cows crossbred with Holstein-Friesian cattle. Ig G in milk was determined by the single radial immunodiffusion method. The level of Ig G in mastitic milk depending on etiological factor were: 2258 mg/l (streptococci), 1540 mg/l (CNS), 1542 mg/l (fungi), 1072 mg/l (no growth). The concentrations of Ig G in mammary lacteal secretions from quarters with clinical mastitis and subclinical mastitis amount, respectively, to 2317 mg/l and 1330 mg/l, however equal to 628 mg/l from healthy quarters.