

## MAIN CHARACTERISTICS OF UNIVERSAL AEROSOL APPARATUS UEA-5

Justinas Antanas Dobilas

*LVA Veterinarijos institutas, Mikrobiologijos ir maisto saugos skyrius, Instituto g. 2, LT-56115 Kaišiadorys;  
tel. 60 693*

**Summary.** The universal aerosol apparatus UEA-5 (patent LT 4771B, 2001) includes an electroaerosol sprayer UEP-2 (invention certificate 854402) of alternating capacity (sprays out 769-1500 million of polydispersed electroaerosols/min), air filter, sprayer fixing unit to the separation chamber UEA-5, separation chamber, reservoir for liquids (12 l capacity), and electric stabilizator. The apparatus sprays out 19.80-32.86 ml/min. of solution in 1-8 mkm (96.78-97.35%) medicament electroaerosols (charged + or -) or aerosols. The necessary electroaerosol concentration of vaccines, medicaments or disinfection substances may be achieved in a hermetic room of 650 m<sup>3</sup>. The apparatus UEA-5 belongs to the category of medical and veterinary devices. It may be used for treatment of humans, birds and animals from respiratory diseases, for vaccination against infectious diseases with monodispersed 1-8 mkm electroaerosols, and for disinfection of internal spaces with polydispersed 1-150 mkm electroaerosols of disinfectants.

**Keywords:** electroaerosol apparatus, electroaerosol sprayers, electroaerosols, disinfection, medicaments, vaccines.