

**ANTIOXIDATIVE ACTIVITY OF *ASTRAGALUS MEMBRANACEUS* (FABACEAE) ROOT AND AERIAL PARTS
EXTRACTS IN TWO MODEL SYSTEMS**

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SUMMARY

Comparative research of antioxidative properties of extracts of root and aerial parts of *Astragalus membranaceus* (Fish.) Bunge by a chemiluminescent method was held in citrate–phosphate–luminol and yolk-lipoprotein model systems. It is established that both extracts exert the antioxidative effect. Thus, extract of aerial parts of *A. membranaceus* is more effective radical scavenger in citrate–phosphate–luminol model system, while the most of antioxidative activity of *A. membranaceus* root extract is expressed in yolk-lipoprotein model system in interaction with lipid radicals. Antioxidative activity of the both extracts in different model systems varies in dose response. The optimum extract concentration in citrate–phosphate–luminol model system is 0.1 mg/ml, and in yolk-lipoprotein model system – 0.5 mg/ml.

Key words: *Astragalus membranaceus*, root, aerial part, extract, antioxidative properties, model system, chemiluminescence.