



International Exhibition of Inventions

INVENTICA 2024

03.07.2024 - 05.07.2024



NATIONAL INSTITUTE OF
INVENTICS, IASI, ROMANIA



**INSTITUTE OF MICROBIOLOGY AND BIOTECHNOLOGY OF
TECHNICAL UNIVERSITY OF MOLDOVA**

INFLUENCE OF COMPLEX MICROBIAL PREPARATION ON PRODUCTIVITY AND CLINICAL HAEMATOLOGICAL STATUS OF RABBITS KITS

Patent application: s 2024 0002/2024.01.11

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AIM of the present research was to evaluate the impact of a biologically active microbial preparation complex (CMP-4) on some parameters of clinical and haematological status, health and productivity in recently weaned young rabbits.

RESULTS: CMP-4 has positive impact on hematopoietic function and nonspecific resistance in rabbit kits. Leukocyte count (WBC) towards the end of the experiment has demonstrated an increasing trend in rabbit kits from all batches compared to baseline values. This effect can be considered beneficial as it highlights the harmlessness of CMP-4 to the rabbit kits. The results demonstrated that CMP-4 had a beneficial effect on the growth and development of rabbit kits in experimental batches 1 and 2. Thus, at the age of 50 days, the body weight of CB rabbits was in average 1243.94 ± 11.13 g with an addition of 384.7 g during 10 days of experiment. The administration of the complex CMP-4 in the daily feed ration of rabbit kits at the rate of 3 or 9 g per 1.0 kg of feed for 43 days has increased the productivity (body weight) of animals, has had an hematopoietic stimulating effect.

SOLUTION: The administration of a natural complex microbial preparation (CMP-4) that contains six bioactive extracts obtained from *Saccharomyces* yeast biomass from wine and beer production and *Arthrospira platensis* biomass to 3 batches of rabbit kits.



ADVANTAGES :

- ❖ Increase the productivity of rabbit kits;
- ❖ Anti-stress and hematopoietic stimulating effect at the administration of CMP-4 microbial preparation to rabbit kits;
- ❖ High potential for application for rabbit farming.

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