

Title (en)  
METHOD OF STIMULATING THE IMMUNE SYSTEM.

Title (de)  
METHODE ZUR STIMULIERUNG DES IMMUNSYSTEMS.

Title (fr)  
PROCEDE DE STIMULATION DU SYSTEME IMMUNITAIRE.

Publication  
**EP 0648124 A4 19960508 (EN)**

Application  
**EP 93916715 A 19930623**

Priority  
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• US 90420092 A 19920625

Abstract (en)  
[origin: WO9400139A1] A method of providing a beneficial effect on the immune system of poultry. (Lactobacillus reuteri) preparations administered to newly hatched chickens and turkeys are demonstrated to modulate the host animal's immune response. These preparations alter the host animal's macrophages, T-cells, B-cells, and NK (natural killer) cells in a manner that reduces mortality and morbidity losses, particularly when the animals are grown under stressful conditions.  
[origin: WO9400139A1] A method of providing a beneficial effect on the immune system of poultry. Lactobacillus reuteri preparations administered to newly hatched chickens and turkeys are demonstrated to modulate the host animal's immune response. These preparations alter the host animal's macrophages, T-cells, B-cells, and NK (natural killer) cells in a manner that reduces mortality and morbidity losses, particularly when the animals are grown under stressful conditions.

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CPC (source: EP)  
**A23K 10/18** (2016.05); **A61K 35/747** (2013.01); **A23V 2400/173** (2023.08)

Citation (search report)  
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• [OA] 13TH ANNUAL MEETING OF THE SOUTHERN POULTRY SCIENCE SOCIETY, 20 January 1992 (1992-01-20) - 21 January 1992 (1992-01-21), ATLANTA,GEORGIA,USA & EDENS ET AL: "EARLY CECAL COLONIZATION BY LACTOBACILLUS REUTERI IN CHICKS AND POULTS PROMOTED BY IN OVO INOCULATION AND POST-HATCH SPRAY", POULTRY SCIENCE, vol. 71, no. S1, pages 148  
• [OA] JOSEPH ET AL: "STUDIES ON SURVIVAL AND GROWTH OF SALMONELLA IN FARM-SIMULATED LABORATORY MICROCOSMS", ABSTRACTS OF THE 92ND GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, 26 May 1992 (1992-05-26) - 30 May 1992 (1992-05-30), NEW ORLEANS,LOUISIANA,USA, pages 395, XP000750027  
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• [A] DOBROGOSZ ET AL: "DELIVERY OF VIABLE LACTOBACILLUS REUTERI TO THE GASTROINTESTINAL TRACT OF POULTRY", POULTRY SCIENCE, vol. 70, no. S1, pages 158  
• [A] EDENS ET AL: "LACTOBACILLUS REUTERI AND WHEY REDUCE SALMONELLA COLONIZATION IN THE CECA OF TURKEY POULTS", POULTRY SCIENCE, vol. 70, no. S1, pages 158  
• [OPX] XVII INTERNATIONAL CONGRESS ON MICROBIAL ECOLOGY AND DISEASE, 28 August 1992 (1992-08-28) - 29 August 1992 (1992-08-29), HELSINKI,FINLAND & DOBROGOSZ ET AL: "LACTOBACILLUS REUTERI IMMUNOMODULATION OF STRESSOR-ASSOCIATED DISEASES IN NEONATE CHICKENS AND TURKEYS", MICROB.ECOL.HEALTH DIS., vol. 2, no. 6, pages VII - VIII, XP000564232  
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• See references of WO 9400139A1

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