



411 Research paper

Passive immunisation, an old idea revisited: Basic principles and application to modern animal production systems

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In **Significant Impact Groups:**

Prudent use AB \ Veterinarian

Species targeted: Pigs;Poultry;Dairy;Beef;Sheep;

Age: Adult;

Summary:

Immunisation by administration of antibodies (immunoglobulins) has been known for more than one hundred years as a very efficient means of obtaining immediate, short-lived protection against infection and/or against the disease-causing effects of toxins from microbial pathogens and from other sources. This review highlights a number of examples on the use of passive immunisation for the control of infectious disease in the modern production of a range of animals, including pigs, cattle, sheep, goat, poultry and fish. It is concluded that provided highly efficient, relatively low-price immunoglobulin products are available, passive immunisation has a clear role in the modern animal production sector as a means of controlling infectious diseases, importantly with a very low risk of causing development of bacterial resistance, thus constituting a real and widely applicable alternative to antibiotics.

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Where to find the original material:

[https://www.sciencedirect.com/science/article/abs/pii/S0165242716300642?via%3Dihub;](https://www.sciencedirect.com/science/article/abs/pii/S0165242716300642?via%3Dihub)

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