

Title (en)
AVIRULENT MICROBES AND USES THEREFOR

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Application
EP 90905860 A 19900326

Priority
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Abstract (en)
[origin: WO9011688A1] This invention provides a vaccine for the immunization of a vertebrate or invertebrate comprising an avirulent derivative of *S. choleraesuis*. The derivatives being substantially incapable of producing functional adenylate cyclase and/or cyclic AMP receptor protein. The invention also provides a vaccine for the immunization of a vertebrate and invertebrate comprising a virulent derivative of a pathogenic microbe said derivative being substantially incapable of producing functional adenylate cyclase and/or cyclic AMP receptor protein while being capable of expressing a recombinant gene derived from a pathogen of said vertebrate to produce an antigen capable of inducing an immune response in said vertebrate against said pathogen.

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- No further relevant documents have been disclosed.
- See references of WO 9011688A1

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