



Licensing Opportunity  
AgResearch Ltd

**Patent Title:** *Antigens Protective Against Echinococcus Granulosus Infection and Vaccines Containing Such Antigens*

**AgResearch Ref:** Hydatids Vaccine

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**Inventors:** *D Heath, B Lawrence, M Ralston, D Maass, M Lightowers*

- ✚ Provides a specific antigen for use in a vaccine which is protective against *E. Granulosus* infection, and methods of protecting hosts susceptible to *Echinococcus* and *Taenii* parasite infection.

### **Background**

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Hydatid disease is caused by infection with the larval (metacestode stage) of tapeworms belonging to the genus *Echinococcus*. Transmission occurs between the domestic dog and domestic herbivores such as sheep and cattle, with humans also being intermediate hosts. As a consequence, *E. granulosus* is geographically widespread.

### **AgResearch Contact**

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Dr Ian Boddy  
General Manager - Business Group  
AgResearch Limited  
Private Bag 3115  
Hamilton  
New Zealand  
Email: [ian.boddy@agresearch.co.nz](mailto:ian.boddy@agresearch.co.nz)

### **Invention**

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A vaccine approach to eradication of the disease hydatids by the provision of an antigen which is host-protective against *E. granulosus* infection irrespective of whether it is the worm or cystic stage of the infection.