

## **2C-108: *Passive Immunisation for Oedema Disease***

**Project Leader - Andrew Morris**

### **Project Participants**

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### **Aims and Objectives**

To isolate Veratoxin from *E.coli*, to demonstrate the toxicity of the Verotoxin and demonstrate the Verotoxin can be denatured.

This is step one of an overriding strategy to develop a toxoid vaccine that can be used to produce anti-Vera toxic antibody that can be injected into pigs to prevent Oedema Disease

### **Key Findings**

Further techniques are required to produce higher quantities of toxin and/or more specific purification methods.

Genetically modified organisms were used in previous trials for better results

### **Application to Industry**

This attempt was not successful as the time and finance ran out prior to the technical problems being solved. However the production of an anti-Vero toxic antibody product for prevention of oedema disease is still a worthy goal.