2C-108: Passive Immunisation for Oedema Disease

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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.