



APPLICATION SUMMARY

Application organisms	Risk Group 1 and 2 microorganisms
Purpose	To import and hold in containment Risk Group 1 and 2 microorganisms (including bacteria, archaea, protozoa, fungi, bacteriophages, viruses) as cultures or within samples derived from animals, plants and the environment, for laboratory based research.
Application number	APP201737
Application type	Non-Notified, Non-GM Import, Containment
Applicant	AgResearch Limited
Date formally received	27 May 2013

Application summary prepared by AgResearch Limited

New Zealand depends on the primary sector for its economic growth. The New Zealand pastoral sector generates export revenues in excess of \$18.6 billion per annum, nearly half of merchandise exports.

AgResearch is a Government-owned Crown Research Institute (CRI) focused on supporting the pastoral sector through scientific research and development.

AgResearch's purpose is to enhance the value, productivity and profitability of New Zealand's pastoral, agri-food and agri-technology sector value chains to contribute to economic growth and beneficial environmental and social outcomes for New Zealand. Microbiology is an important scientific discipline that enables AgResearch to fulfil its purpose through the provision of research and transfer or technology and knowledge in partnership with key stakeholders.

The purpose of this application is to seek permission to import and hold Risk Group 1 and 2 microorganisms, including bacteria, archaea, protozoa, fungi, bacteriophages, viruses, either as cultures (axenic or mixed) or within samples derived from animals, plants and the environment (such as soil, dung, grass, water, gastro-intestinal tract and contents, saliva, milk, diet, etc.) from which these microorganisms may be cultured in containment. This will facilitate the development and implementation of strategies for animal production systems and improve our understanding of how members of microbial communities interact with their hosts to improve overall health, well-being, productivity and greenhouse gas emissions. Some examples of the type of research we do are the Global Rumen Census (www.globalrumencensus.org.nz) and Hungate 1000 projects. These projects seek to identify and understand the roles microbes in samples that represent ruminants and livestock present all world-wide. These projects form part of the Rumen Microbial Genomics Network, a global collaboration between livestock researchers.