

Non-Technical Project Summary

Period of approval: Q4 October – December 2020

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2020Q4	Research project: effects of early-life antibiotics on behaviour and brain development in the mouse	Antibiotics; microbiota-gut-brain axis; behaviour; brain development; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v001_2020q4.pdf?sfvrsn=2
V002/2020Q4	Research project to investigate the effects of high welfare (low stress) and conventional (high stress) gestation housing systems on the welfare and performance of sows and their offspring	Welfare; chronic stress; pre-natal; behaviour; enrichment; housing; pigs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v002_2020q4.pdf?sfvrsn=2
V003/2020Q4	Research on methods to optimise the measurement of feed digestibility in pigs	Diet; digestibility; efficiency; nutrients; welfare; pigs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v003_2020q4.pdf?sfvrsn=2
V004/2020Q4	Research on the development of low cost tools for estimating the environmental footprint in sheep	Genetics; feed intake; methane emissions; sheep	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v004_2020q4.pdf?sfvrsn=2
V005/2020Q4	Regulatory project: determination of the potency value associated with the manufacture of specific neurotoxin products as required by the regulatory authorities using mice	Neurotoxin; potency test; medicinal products; comparability testing; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v005_2020q4.pdf?sfvrsn=2
V006/2020Q4	Research aiming to prevent transmission of MRSA from livestock to humans through competitive exclusion, using pigs	Staphylococcus aureus; LA-MRSA; exclusion; nasal; microbiota; pigs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v006_2020q4.pdf?sfvrsn=2

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V007/2020Q4	Research into Bromodomain and Extra-terminal motif (BET) inhibition as a therapeutic strategy for invasive lobular breast cancer using mice	Breast cancer; invasive lobular carcinoma; therapeutics; BET inhibition; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v007_2020q4.pdf?sfvrsn=2
V008/2020Q4	Regulatory project to determine the potency value of an AAV Gene therapy for X-linked myotubular myopathy, using mice.	Potency test; X-linked myotubular myopathy; adeno-associated virus (AAV); myotubularin (MTM); gene therapy; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v008_2020q4.pdf?sfvrsn=2
V009/2020Q4	Research project investigating innate immune regulation in infection and inflammation using mice	Infectious disease; innate immunity; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v009_2020q4.pdf?sfvrsn=2
V010/2020Q4	Research project investigating the role of the gut microbiota on the beneficial effects of exercise in a healthy and depressed population using mice	Microbiome; depression; exercise; behaviour; neurogenesis; gut permeability; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v010_2020q4.pdf?sfvrsn=2
V011/2020Q4	Research project to determine the efficacy of test Items/Investigational Veterinary Products for cats and dogs against ectoparasites and endoparasites	Ectoparasites; endoparasites; efficacy; regulatory licensing; veterinary products; cats; dogs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v011_2020q4.pdf?sfvrsn=2
V012/2020Q4	'MOOVE' - Research into welfare and environmental aspects of intra-community trade (I-CT) of Irish dairy calves	Bovine; intra-community trade; EU; transport; welfare; nutrition; calves	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v012_2020q4.pdf?sfvrsn=2
V013/2020Q4	Research into the role of the IL-1 family in retinal degeneration using mice	Age-related macular degeneration; blindness; retina; immune system;	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v013_2020q4.pdf?sfvrsn=2

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		cytokines; neovascularisation; mice	
V014/2020Q4	Regulatory study to generate antisera using ferrets and rabbits	Antisera production; influenza; vaccine; allergy treatment; haemagglutinin inhibition assay; ferret; rabbit	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v014_2020q4.pdf?sfvrsn=2
V015/2020Q4	Project to perform rumenostomy and cannulation of dairy cows to support digestibility research studies	Rumen; cannula; nutrition; grass; milk production; digesta flow; rumen microbial population; dairy cows	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v015_2020q4.pdf?sfvrsn=2
V016/2020Q4	Collection of animal blood for research and development in medical technology	Medical device technology; blood donation; biotechnology; sheep; cattle; horses; pigs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v016_2020q4.pdf?sfvrsn=2
V017/2020Q4	Regulatory study to conduct the <i>in vivo</i> phase of vaccine immunogenicity/immunopotency studies using rats and ferrets	Immunogenicity; immunopotency; vaccines; influenza; coronavirus; rats; ferrets	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v017_2020q4.pdf?sfvrsn=2
V018/2020Q4	Research study investigating the role of Pellino proteins in lung inflammation and fibrosis using mice	Lung; Inflammation; fibrosis; bleomycin; Pellino proteins; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v018_2020q4.pdf?sfvrsn=2
V019/2020Q4	Research investigation into refining direct fed microbials (DFM) and silage inoculants for reduction of methane emissions from ruminants	Grass silage; inoculant; milk production; methane emissions; dairy cow	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v019_2020q4.pdf?sfvrsn=2

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V020/2020Q4	Pilot research study to evaluate the efficacy of omeprazole for the treatment of gastric ulcers in dogs	Gastric ulceration; omeprazole; treatment; efficacy; lactulose; diagnostic marker; dogs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v020_2020q4.pdf?sfvrsn=2
V021/2020Q4	Research into disease mechanisms in inflammatory bowel disease (IBD) and the use of non-steroidal anti-inflammatory drugs (NSAIDs) using mice	IL-10 knock-out; colitis; IBD-associated bacteria; NSAID; small molecule inhibitors; inflammasome; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v021_2020q4.pdf?sfvrsn=2
V022/2020Q4	Research into the role of blood clotting in contributing to breast cancer spread in the body, using mice	Breast cancer; coagulation; blood clotting; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v022_2020q4.pdf?sfvrsn=2
V023/2020Q4	Research into IL-17-producing T cells and their regulation in autoimmune disease using mice	Immunology; T cell; $\gamma\delta$ T cells; autoimmune disease; experimental autoimmune encephalomyelitis; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v023_2020q4.pdf?sfvrsn=2
V024/2020Q4	Research on the effect of stress related to captivity on the gut microbiome of a wild bird, the Great tit (<i>Parus major</i>)	Microbiome; gut; stress; enrichment; behaviour; cognition; Great tit, birds	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v024_2020q4.pdf?sfvrsn=2
V025/2020Q4	Research into cellular and molecular mechanisms of neonatal seizures and paediatric epilepsies using mice	Epilepsy; brain injury; Dravet syndrome; Angelman syndrome; Rett syndrome; CDKL5 deficiency disorder; hypoxia; microRNA; seizure; biomarkers; disease-modifying therapy; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v025_2020q4.pdf?sfvrsn=2

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V026/2020Q4	Research into the biocompatibility and tolerability of a novel artificial cornea (keratoprosthesis) in the naïve and injured rabbit eye	Artificial cornea; keratoprosthesis; blindness; corneal disease; rabbits	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v026_2020q4.pdf?sfvrsn=2
V027/2020Q4	Research to assess the efficacy of a novel therapy for chronic pain in knee osteoarthritis using rats	Osteoarthritis; knee; hydrogel; medical device; analgesia; anxiety; depression; cognition; rat	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v027_2020q4.pdf?sfvrsn=2
V028/2020Q4	Research project for the preparation of materials for the diagnosis of diseases in birds and horses or public health related residue detection	Diagnosis; disease; avian influenza; horses; chickens; turkeys	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-october-december/v028_2020q4.pdf?sfvrsn=2