

Non-Technical Project Summary

Period of approval:

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2017Q2	Research project to determine the pharmacokinetics and local tolerance of a range of related novel trypanocide compounds in cattle	Trypanasomosis; cattle; treatment; pharmacokinetics; safety	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v001_2017q2.pdf?sfvrsn=2
V002/2017Q2	Training of researchers in basic procedures using rats, mice and rabbits	Researcher procedural training; rats; mice; rabbits	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v002_2017q2.pdf?sfvrsn=2
V003/2017Q2	Research project investigating the influence of conceptus size on embryo-maternal communication in cattle	Bovine; cow; heifer; pregnancy; embryo; uterus; conceptus size	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v003_2017q2.pdf?sfvrsn=2
V004/2017Q2	Research project investigating sex determination in cattle	Bovine; pregnancy; embryo; cow; sex determination	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v004_2017q2.pdf?sfvrsn=2
V005/2017Q2	Research project investigating breeding dynamics in the Greenland Barnacle Goose	Barnacle Goose; breeding birds; Arctic migration; climate change; wildlife conflict	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v005_2017q2.pdf?sfvrsn=2
V006/2017Q2	Research project: Pilot study investigating the role of leucine-rich alpha-2-glycoprotein 1 (Irg1) in cardiac scarring, vessel density and	Hypertension; Irg1; cardiac scarring; cardiac hypertrophy; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v006_2017q2.pdf?sfvrsn=2

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
	cardiac hypertrophy in a mouse model of hypertension		
V007/2017Q2	Research project tracking <i>Salmonidae</i> (salmon and trout) and sea bass off the coast of Ireland	Sea Trout; Atlantic Salmon; Sea Bass; Telemetry	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v007_2017q2.pdf?sfvrsn=2
V008/2017Q2	Research project investigating microbiota-immune interactions in colorectal cancer using a mouse model	Microbiota; colorectal cancer; inflammation; biomarkers; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v008_2017q2.pdf?sfvrsn=2
V009/2017Q2	Research project elucidating molecular mechanisms induced by host-microbe interactions and their contribution to intestinal health and inflammatory diseases such as Inflammatory Bowel Disease and colon cancer using mice	Microbiota; inflammatory bowel disease; colon cancer; commensal/probiotic; pathobionts; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v009_2017q2.pdf?sfvrsn=2
V010/2017Q2	Research project investigating the effect of early life plane of nutrition on the molecular control of the hypothalamic-pituitary-ovarian axis in the heifer	HPT axis; gene expression; puberty; nutrition; heifer; cattle	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v010_2017q2.pdf?sfvrsn=2
V011/2017Q2	Research study using acoustic telemetry to determine sea trout and Atlantic salmon survival rates, migration routes, migration timing, and habitat usage in the marine environment	Sea trout; Atlantic salmon; telemetry	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v011_2017q2.pdf?sfvrsn=2
V012/2017Q2	Research project characterising the function of two memory-associated proteins, midkine and klotho, using rats	Midkine; klotho; plasticity; psychiatric illness; rat	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v012_2017q2.pdf?sfvrsn=2

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V013/2017Q2	Research project investigating sea lamprey migration patterns in a Special Area of Conservation (SAC) in Ireland	Sea lamprey; tracking; spawning; migration; barrier; fish	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v013_2017q2.pdf?sfvrsn=2
V014/2017Q2	Research project on eel movement and home range in estuarine waters	Eel; <i>Anguilla anguilla</i> ; home range; estuaries; acoustic telemetry	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v014_2017q2.pdf?sfvrsn=2
V015/2017Q2	Research project investigating <i>A. lumbricoides</i> in a mouse model	<i>Ascaris</i> ; mouse; liver; resistance	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v015_2017q2.pdf?sfvrsn=2
V016/2017Q2	Research project investigating the influence of metabolic modulators on the innate immune response using mice	Innate immunity; inflammation; metabolism; LPS; lipopolysaccharide; GSTO1-1 knock-out; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v016_2017q2.pdf?sfvrsn=2
V017/2017Q2	Research project: Fish Telemetry Project; Movement and behaviour of wild fish (twaite shad and thick lipped mullet) in a large Irish estuary	Behaviour; telemetry; tracking; estuary; mullet; shad	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v017_2017q2.pdf?sfvrsn=2
V018/2017Q2	Research project using mouse models of diet-induced obesity and related metabolic conditions for research into inflammation	Obesity; metabolism; inflammation; immunology; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v018_2017q2.pdf?sfvrsn=2
V019/2017Q2	Research project for the preparation of diagnostic materials for the diagnosis of diseases in cattle, sheep and pigs, or for public health related residue detection	Diagnosis; disease; cattle; sheep; pigs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v019_2017q2.pdf?sfvrsn=2

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V020/2017Q2	Research project on the development of novel therapeutic approaches to normalise exocytosis of transmitters from nerve endings via SNAREs and Kv1 channels in hyper- and hypo-secretory diseases in rodents	Neurotherapeutics; neurotransmission; neurotoxins; SNARE proteins; Kv1 channels	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v020_2017q2.pdf?sfvrsn=2
V021/2017Q2	Research project investigating the effect of gastric bypass surgery on food preference and brain reward activation in rats	Gastric bypass; food preference; brain reward activation; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v021_2017q2.pdf?sfvrsn=2
V022/2017Q2	Research project investigating new therapies for the fatal degenerative disorder Krabbe disease using the twitcher mouse model	Krabbe disease; twitcher mice; fingolimod; pFTY720	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v022_2017q2.pdf?sfvrsn=2
V023/2017Q2	Research project investigating new treatments for inflammatory bowel disease and chronic cholangitis using mice and rats	Inflammatory bowel disease; ulcerative colitis; liver disease; cholangitis; bile acids; mice; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v023_2017q2.pdf?sfvrsn=2
V024/2017Q2	Research study using acoustic telemetry to assess the migratory behaviour of adult and juvenile Atlantic salmon, trout and eels, and to investigate the causes of early migration mortality in salmon and sea trout	Atlantic salmon; sea trout; eel; migration; telemetry	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v024_2017q2.pdf?sfvrsn=2
V025/2017Q2	Research project: A menu for brain responses opposing stress induced alterations in cognition using mice.	Gut-Brain axis; diet; stress; ageing; behaviour; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v025_2017q2.pdf?sfvrsn=2

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V026/2017Q2	Research project into the development of glucose responsive dual gene delivery system in a genetically diabetic mouse model	Diabetes; wound healing; gene therapy; functionalised hydrogel; glucose response; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v026_2017q2.pdf?sfvrsn=2
V027/2017Q2	Translational pharmacology research project for drug discovery using rats and mice	Drug discovery; rat; mouse; depression	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v027_2017q2.pdf?sfvrsn=2
V028/2017Q2	Research project investigating the effect of a synthetic hydrogel on the healing of wounds using mice	Functionalised hydrogel scaffold - wound healing; diabetes; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v028_2017q2.pdf?sfvrsn=2
V029/2017Q2	Research project to determine the concentration of pentobarbital sodium and its analytes in the urine of greyhounds	Greyhound; dog; pentobarbital; urine; doping	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v029_2017q2.pdf?sfvrsn=2
V030/2017Q2	Research project to understand the implication of estrogen deficiency on bone tissue and cells of rats to understand osteoporosis	Osteoporosis; estrogen; mineralisation; mechanobiology; rat	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v030_2017q2.pdf?sfvrsn=2
V031/2017Q2	Research project: measurement of plasma and skeletal muscle coenzyme Q10 (CoQ10) and anti-oxidant concentrations in horses before and after oral CoQ10 supplementation.	Co-enzyme Q10; equine nutrition; anti-oxidant	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v031_2017q2.pdf?sfvrsn=2

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V032/2017Q2	Research project investigating the strain-specific pathogenicity of common Irish mastitis-associated <i>S. aureus</i> strains in dairy cows using an <i>in vivo</i> infection model	Cows; mastitis; disease mechanisms; immune response; <i>S. aureus</i>	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v032_2017q2.pdf?sfvrsn=2
V033/2017Q2	Research project into fever and the brain in autism: temperature versus inflammatory effects in a mouse model	Inflammation; hyperthermia; fever; autism; autophagy; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2017-april---june/v033_2017q2.pdf?sfvrsn=2