

Searches for Rabbit Protocols and Procedures

The tables below contain links to searches of multiple databases for alternatives and refinements for a study involving a diabetic retinopathy rabbit model and several commonly used procedures. Construct your own queries with appropriate terms, or use the examples below if they are relevant.

Important! Pubmed MeSH Terms are specific words and phrases drawn from the NLM's controlled vocabulary. Use the [MeSH Terms Browser](#) to find the MeSH Terms most appropriate for your study. Substituting phrases not found in the MeSH vocabulary will **not** be effective.

Hot Tip! The [MAJR] qualifier identifies a MeSH Term which is a main topic of the article. Use [MAJR] in place of [MeSH] and [ALL] to find the subset of articles focussed on the search terms. Compare the "focussed" and "inclusive" examples below to see the effect of using the [MAJR] qualifier.

Replacement and Reduction:

The goal of these searches is to find models or systems which are more informative, to reduce animal numbers through better statistical methods, to replace species with ones more acceptable to society, and to replace animal use with in vitro or computer models, if possible.

	PubMed	Agricola	Other
Gene, condition or disease AND species	<i>focussed:</i> Insulin [MAJR] AND Rabbits [MAJR] <i>inclusive:</i> Insulin [ALL] AND Rabbits [ALL]	w=Insulin & (w=Rabbit + w=Rabbits)	
	<i>focussed:</i> "Diabetes Mellitus, Experimental" [MAJR] AND Rabbits [MAJR] <i>inclusive:</i> "Diabetes Mellitus, Experimental" [MeSH] AND Rabbits [ALL]	w=Diabetes & (w=Rabbit + w=Rabbits)	
	<i>focussed:</i> "Diabetic Retinopathy" [MAJR] AND Rabbits [MAJR] <i>inclusive:</i> "Diabetic Retinopathy" [MeSH] AND Rabbits [ALL]	w=Retinopathy & (w=Rabbit + w=Rabbits)	
	"Diabetes Mellitus, Experimental" [MeSH] AND ((Double [WORD] AND Blind* [WORD]) OR Placebo [WORD])		
Alternative Animal Models	"Diabetes Mellitus, Experimental" [MeSH] AND ("Animal Experimentation" [MeSH] OR "Models, Animal" [MeSH] OR "Models, Genetic" [MeSH])		MGI Insulin MGI Diabetes
	"Diabetic Retinopathy" [MeSH] AND ("Animal Experimentation" [MeSH] OR "Models, Animal" [MeSH] OR "Models, Genetic" [MeSH])		

In Vitro Assays	("Diabetes Mellitus, Experimental" [MeSH] AND "Biological Assay" [MeSH]) NOT ("Models, Animal" [MeSH] OR "Animal Experimentation" [MeSH])		
Models Not Involving Animals	("Diabetes Mellitus, Experimental" [MeSH] AND ("Models, Theoretical" [MeSH] OR "Computer Simulation" [MeSH])) NOT ("Models, Animal" [MeSH] OR "Animal Experimentation" [MeSH])		
Statistical Methods	"Statistics" [MeSH] AND ("Animal Experimentation" [MeSH] OR "Models, Animal" [MeSH])	(w=Statistics + w=Statistical) & ((w=Sample & w=Size) + w=Power)	Statistics Core Hyperstat StatPages.net Power Analysis bibliography crossover designs
Teaching	"Teaching" [MeSH] AND ("Animal Experimentation" [MeSH] OR "Models, Animal" [MeSH])	w=teaching & w=alternatives	NORINA

Use the [PubMed MESH Terms Browser](#) to find terms to build your own queries.
Use [Pubmed Clinical Queries](#) for studies focussed on therapies.

Refinement:

The goal of these searches is to find alternate procedures which cause less pain or distress.

	PubMed	Agricola	Other
Euthanasia	"Euthanasia" [MeSH] AND Rabbits [ALL]	w=Euthanasia & (w=Rabbits + w=Rabbit)	Methods pdf Methods
Blood Collection	"Blood Specimen Collection/Methods" [MeSH] AND Rabbits [ALL]	(w=Blood & (w=Sampling + w=Collecting)) & (w=Rabbits + w=Rabbit)	
Anesthesia	"Anesthesia/Methods" [MeSH] AND Rabbits [ALL]	w=Anesthesia & (w=Rabbits + w=Rabbit)	altweb Rabbits OR Rabbit
Analgesia	"Analgesia/methods" [MeSH] AND Rabbits [ALL]	w=Analgesia & (w=Rabbits + w=Rabbit)	altweb Rabbits OR Rabbit
Neuromuscular Blockade	"Neuromuscular Blockade" [MeSH] AND Rabbits [All]	w=Neuromuscular & w=Blockade & (w=Rabbits + w=Rabbit)	

Surgery	"Surgical Procedures, Operative/Methods"[MAJR] AND Rabbits [MAJR]	w=Surgery & (w=Rabbits + w=Rabbit)	
ID	"Animal Identification Systems" [MeSH] AND Rabbits [ALL]	w=Identification & (w=Rabbits + w=Rabbit)	
Immunizations	"Freund's Adjuvant" [MeSH] AND Alternatives [ALL]	w=Freund's & w=Alternatives	Alternatives to CFA
Experimental Infection	"Infection" [MeSH] AND ("Animal Experimentation" [MeSH] OR "Models, Animal" [MeSH])	w=Infection & w=Alternatives & (w=Rabbit + w=Rabbits)	
Substance Administration	"Drug Administration Routes" [MeSH] AND Rabbits [ALL]		
Toxicology	"Toxicology" [MeSH] AND ("Animal Experimentation" [MeSH] OR "Models, Animal" [MeSH])	w=Toxicology & w=Alternatives & (w=Rabbit + w=Rabbits)	Toxnet
Restraint	"Restraint, Physical/Methods" [MeSH] AND Rabbits [ALL]	w=Restraint & (w=Rabbits + w=Rabbit)	
Diet	"Diet" [MeSH] AND Rabbits [ALL]	w=Diet & (w=Rabbits + w=Rabbit)	
Intubation	"Intubation/Methods" [MeSH] AND Rabbits [ALL]	w=Intubation & (w=Rabbits + w=Rabbit)	
Perfusion	"Perfusion/Methods" [MeSH] AND Rabbits [ALL]	w=Perfusion & (w=Rabbits + w=Rabbit)	
Catheterization	"Catheterization/Methods" [MeSH] AND Rabbits [ALL]	(w=Catheter + w=Catheterization) & (w=Rabbit + w=Rabbits)	
Housing	"Housing, Animal" [MeSH] AND Rabbits [ALL]	w=Caging & (w=Rabbit + w=Rabbits)	Rabbit Housing Enrichment DB

Why Searches For Alternatives Must Be Performed

Mice | Rats | Dogs | Cats | Rabbits | Frogs | Ferrets | Goats | Pigs | Fish | Primates