

Summary

Regulatory authority:
US Environmental Protection Agency (EPA)

Scope:
3-species tick study; novel protocol developed with EPA

Study leader:
Dr Sarah Dewhirst, Director of Contract Research

Outcome:
EPA label claim approved for 8 hour protection against lone star ticks and brown dog ticks; 4 hour protection against deer ticks



Our experience

Arctech Innovation has a wealth of knowledge and experience in leading the full submission process for obtaining US EPA registration of an insect repellent product.

We design and deliver all aspects of the EPA registration process on behalf of our clients, from study design, project management, planning, risk assessments, through to efficacy testing, QA and monitoring.

Over many years, our team has formed an extremely close link with the EPA, and recently led the redesign and development of both the tick and mosquito EPA testing guidelines.

Case study

We supported our client, Citrefine, to achieve EPA approval for its Citriodiol® tick repellent, including developing the study protocol and supporting documents, representation at HSRB and EPA review meetings, and submission of the final report with data analysis in accordance with EPA requirements.

We conducted efficacy testing in GLP-approved lab facilities in accordance with the approved protocol, involving 75 human replicates.

The results were submitted to the EPA by Arctech Innovation and Citrefine, with the US authority giving its approval for the Citriodiol® product label to claim 8 hours protection against lone star ticks and brown dog ticks, and 4 hours protection against deer ticks.

Through this collaboration, robust tick claims were added to this US repellent product – informing consumers about the product's strong protection against tick bites and the diseases carried by ticks.

“ Gaining HSRB and EPA approval for repellency studies is a difficult job involving numerous regulatory challenges.

I am extremely pleased that Arctech was able to oversee this project so efficiently allowing consumers to have confidence in the rigour of the repellent testing underlying our Citriodiol® products.



Genevieve Faherty
Regulatory Affairs Director
Citrefine International