

Alternatives Search

- 1) For any procedure that is likely to cause more than slight or momentary pain or distress (i.e., a Pain Category D or E), a literature search is required to determine if other methods are available that could reduce or eliminate the pain or distress experienced by the animals.
 - a. The **Alternative Search** tab appears after you add a procedure that is categorized as a Pain Category D or E. See the [eProtocol Quick Guide on Procedures](#) for more information.
- 2) For guidance on how to complete the **Alternatives Search** section, please refer to the ACUC guideline on [Literature Searches for Alternatives](#) found on the ACUC web site.
- 3) Complete the **Search Data** section by clicking on the **Add** button.

IACUC - Research Protocol ID: 14-07-3748 (EMP-FACULTY TEST)

Protocol Title: Type your study title here...

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For Pain/Distress Categories D or E

For any procedure that is likely to cause more than slight or momentary pain or distress, a literature search is required to determine if other methods are available that could reduce or eliminate pain or distress experienced by the animal. Instructions and examples of this literature search, appropriate databases to use, and helpful keywords can be found in the guidelines on [Literature Searches for Alternatives](#) on the ACUC website.

Search Data Add

Please click on Add to add Search Data

Describe the search strategies used to conduct your search.

Describe the search strategies

Click **Add** to enter your **Search Data**.

- 4) In the **Search Data** pop-up window, complete the date range of your search, date of search, key words used, select the databases searched, and click **Save** to add the Search Data.

Note: * denotes mandatory field.

Search Data Save Cancel

Search Range From * 2000 (YYYY)

To * 2014 (YYYY)

Search Date * 04/20/2014 (MM/DD/YYYY)

Keywords * type keywords used here

Databases Searched *

<input type="checkbox"/> Agricola - National Library Catalog	<input type="checkbox"/> ALTBIB - Resources for Alternatives to the Use of Live Vertebrates in Biomedical Research and Testing (US National Library of Medicine)
<input type="checkbox"/> Animal Welfare Information Center	<input checked="" type="checkbox"/> ALTWEB - Alternative to Animal Testing on the Web (Johns Hopkins)
<input type="checkbox"/> CAB Abstracts	<input type="checkbox"/> Data Base Guide - UC Davis Center for Animal Alternative Information
<input type="checkbox"/> FRAME - Fund for the Replacement of Animals in Medical Experiments	<input type="checkbox"/> EURL ECVAM DataBase Service on Alternative Methods to Animal Experimentation (DB-ALM)
<input type="checkbox"/> NORINA Database - Norwegian Inventory of Alternatives	<input type="checkbox"/> National Cancer Institute Mouse Models
<input checked="" type="checkbox"/> PUBMED - National Library of Medicine	<input type="checkbox"/> CancerLit
<input type="checkbox"/> MeSH (Medical Subject Headings)	<input type="checkbox"/> TOXLINE - Toxicology Literature Online
<input type="checkbox"/> Web of Science	<input type="checkbox"/> Other

Complete the:

- **Date Range** of search
- **Date** of search
- **Key Words** used
- **Data Bases** searched

Click **Save**

- 5) The **Search Data** will be added to the table on the **Alternative Search** Page.
- 6) You must add separate Search Data for each potentially painful or distressful procedure you have added to your protocol.

Protocol Title: Type your study title here...

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For Pain/Distress Categories D or E

For any procedure that is likely to cause more than slight or momentary pain or distress, a literature search is required to determine if other methods are available that could reduce or eliminate pain or distress experienced by the animal. Instructions and examples of this literature search, appropriate databases to use, and helpful keywords can be found in the guidelines on [Literature Searches for Alternatives](#) on the ACUC website.

Search Data				Add	Delete
Search Date	Search Range	Keywords	Databases Searched		
<input type="checkbox"/> 04/20/2014	2000-2014	type keywords used here	ALTWEB/ PUBMED		

Describe the search strategies used to conduct your search.

Describe the search strategies

Provide the number of hits and summarize the findings of your search results.

Number of hits and findings

I believe there is no alternative to further reduce, replace or refine this potentially painful/distressful procedure. Based on the following references and experience, this animal model is the most appropriate for conducting my research.

Specific Relevant Citations

Relevant citations must be listed here or provided as an [attachment](#).

Specific Relevant Citations

For category E procedures, explain why drugs or other ameliorative treatments cannot be used to fully alleviate pain/distress. Include the number of animals per year.

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Add one **Search Data** for each D/E Procedure.

Click **Next** to save and go to the next Procedure Details tab.

- 7) Complete the remainder of the questions in the **Alternative Search** section.
- 8) For any painful procedures where drugs or other ameliorative treatments cannot be used to fully alleviate pain or distress (Category E), a scientific justification must be provided, including the number of animals per year that are proposed to be used.
- 9) When you are done, scroll to the top or bottom of the page and click **Next** to go to the next Procedure Details tab.
- 10) The literature search process must be repeated at least once every three years during the deNovo/Continuing Review period.