HIV/SIV Vaccine Database

Introductory Tour

Los Alamos
NATIONAL LABORATORY

AIM of this database:

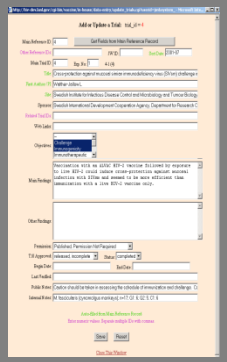
To provide quick access to information about the vaccine research using SIV, HIV and SHIV Research in Nonhuman Primates

The vaccine database was constructed to have relational structure using SYBASE database and the PERL programming language to allow data to be accessible and searchable on the internet. A set of criteria was used to scan the Pubmed for relevant studies to enter into the database giving the priority to most recently published challenge studies, the journals generally considered as the primary source of information pertaining to HIV and SIV vaccine research in nonhuman primates.

The database contains the following tables for data entry:

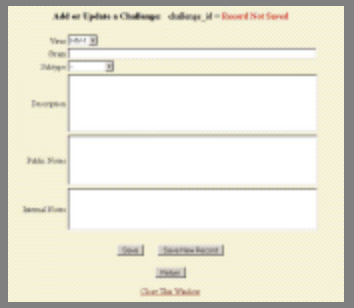
- Reference
- Summary
- Vaccine
- Challenge
- Adjuvant
- Subject Group
- Subject Substance

(see next page)



Summary table

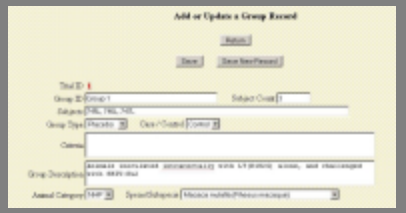
Vaccine table



Challenge table

Subject Substance table

Adjuvant table



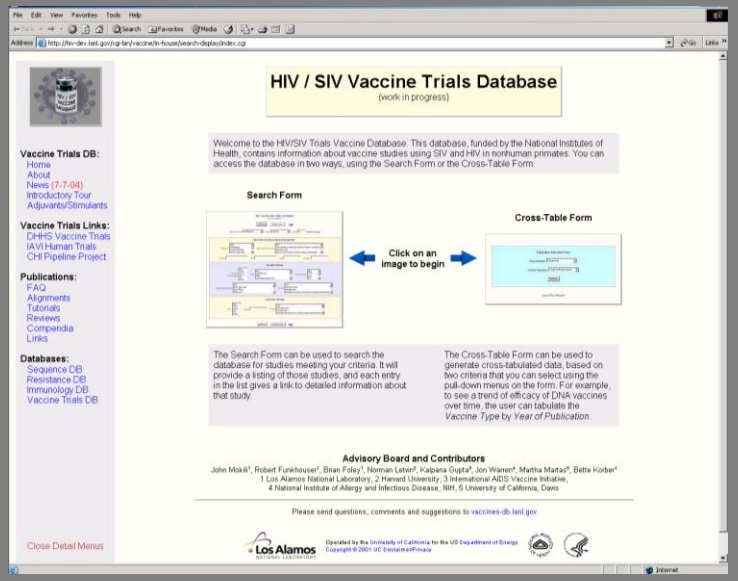
Subject Group table

A Relational strategy was used is such a way that data are entered into each table as a separate unit and "anchored" to the Subject Substance table

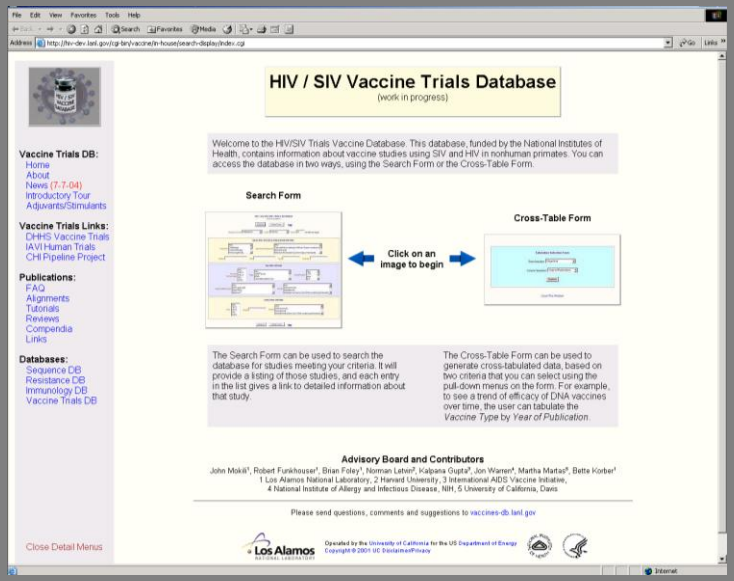
Accessing the Database, click the following URL:

http://hiv.lanl.gov/

Choosing the "Vaccine Trials" option will open the Vaccine Database Home Page.



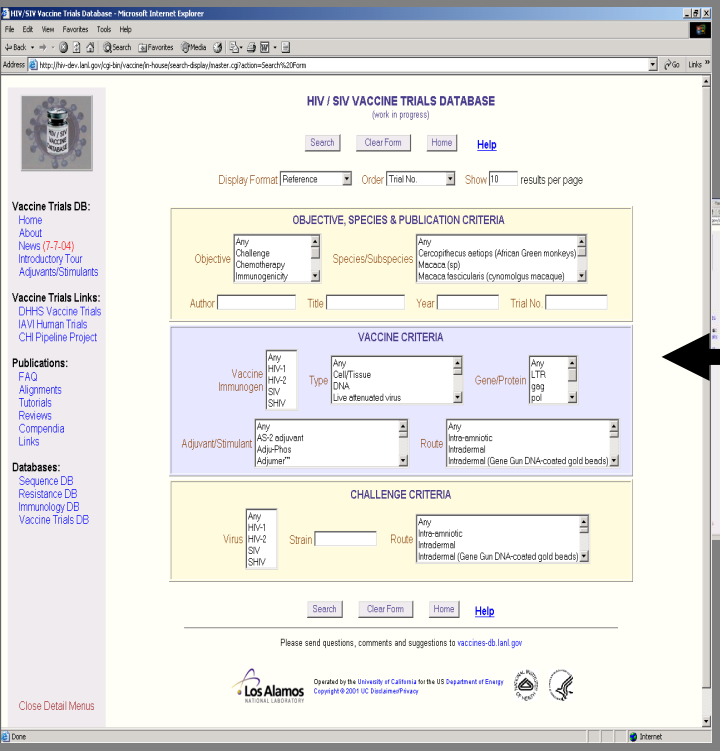
Searching data in the Vaccine Database

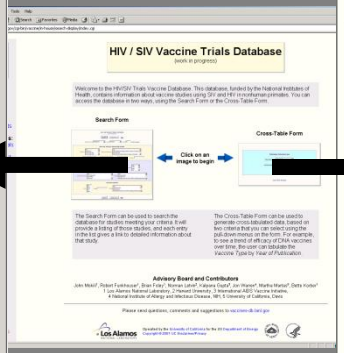


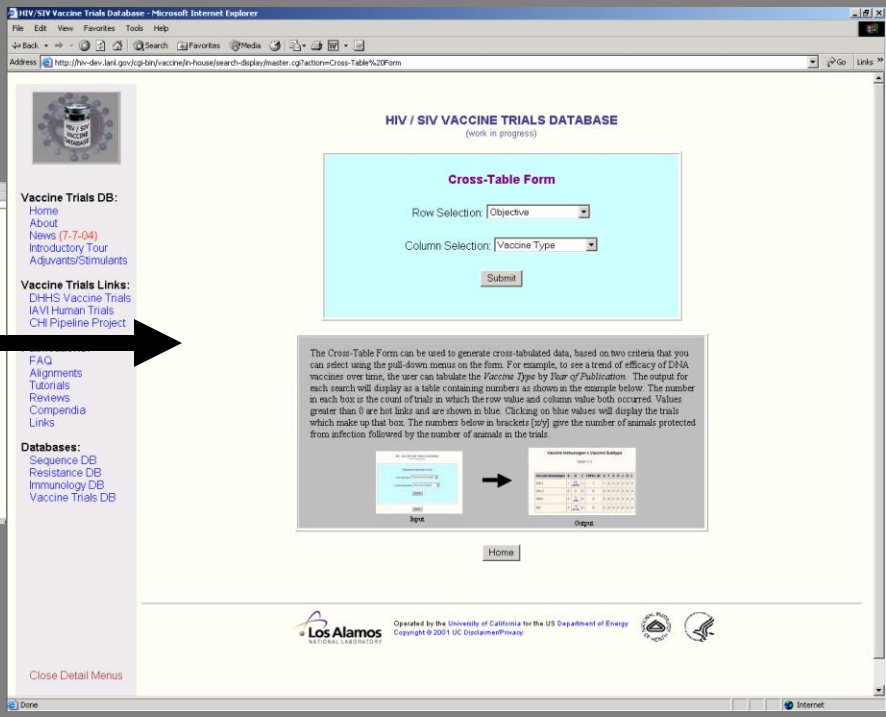
There are two ways of accessing the vaccine database

Either using the Search Form

Or with the Cross-Table Form







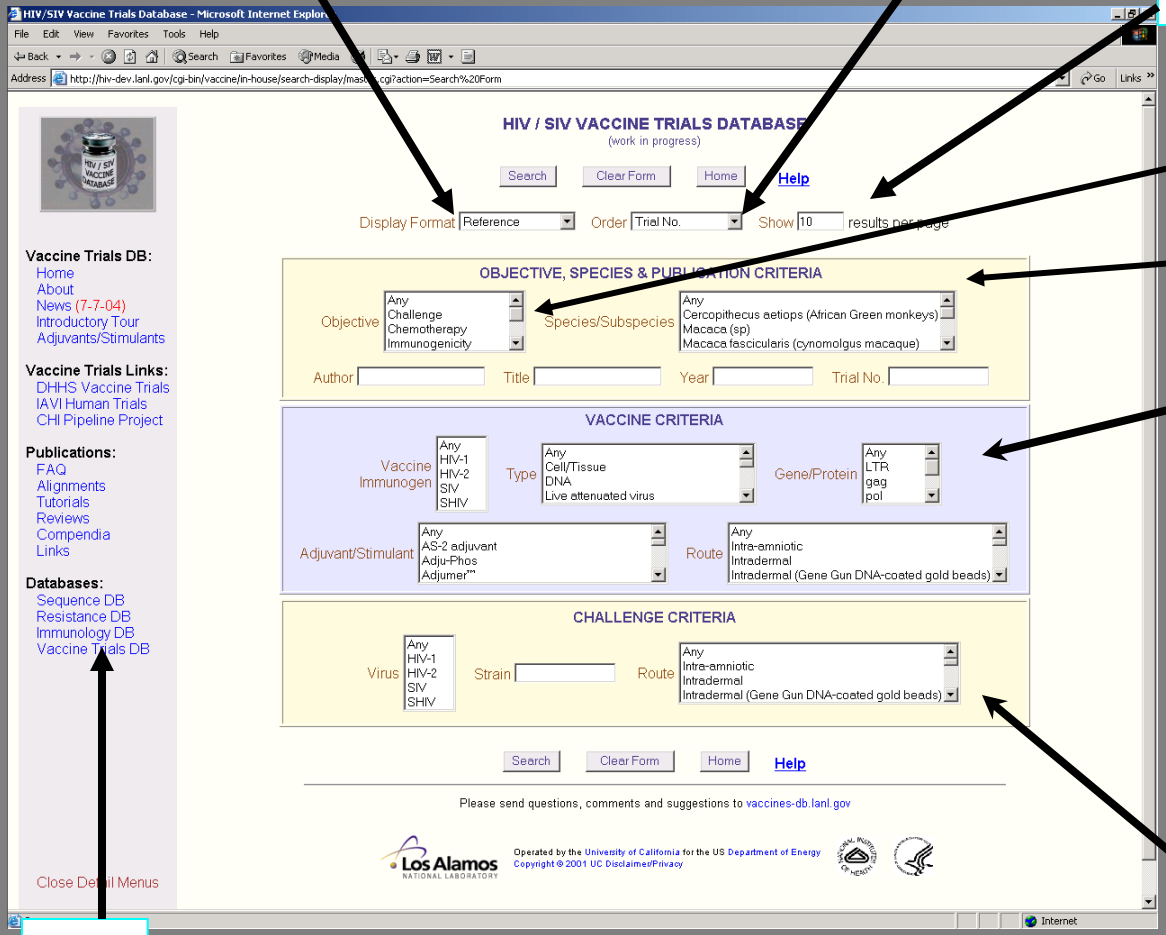
Search Form

The search criteria is either the default "any" or a combination of variables which MUST be logically possible

Specify how to display the search results

Sorting order: Trial number, author, title etc.

Total of items to display



1. Objectives

2. Animals

3. Vaccine

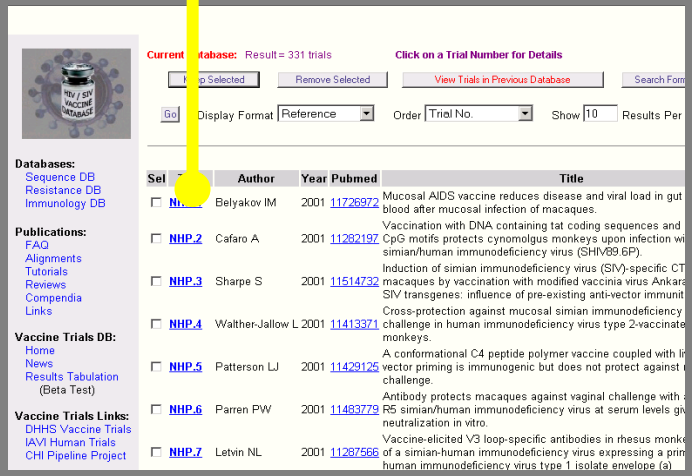
- Virus: HIV, SIV or SHIV
- Type: DNA, Live, attenuated etc.
- Adjuvant
- Route

3. Challenge

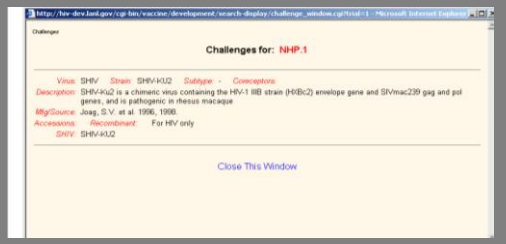
- Virus: HIV, SIV or SHIV
- Route
- Strains

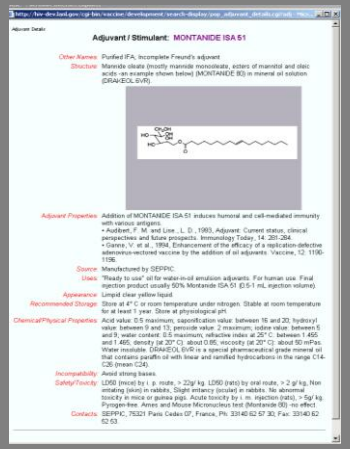
Links

The search results are displayed in a list but details can be obtained using a navigation panel (click on a Trial number to obtain details)



Navigation panel



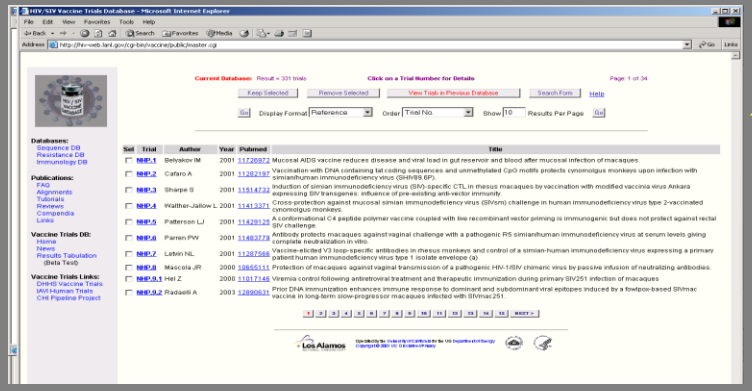


Searching the database:

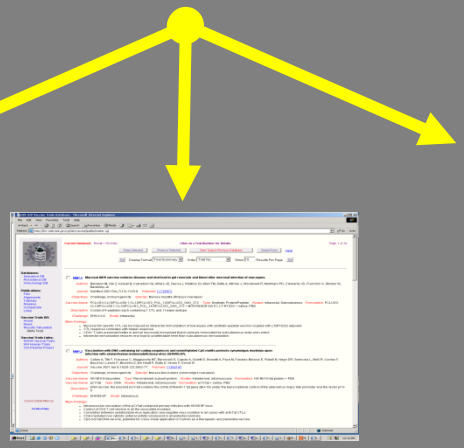
- Example: A user searching the database for <u>any</u> trials, <u>any</u> vaccines, with or without challenge can simply press the "search" button which is the database default for "any".

- The results can be displayed in "Reference" (or Trials summary or Results) format.

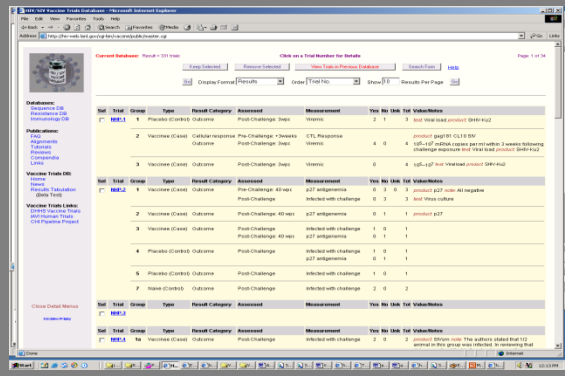
Output



Reference

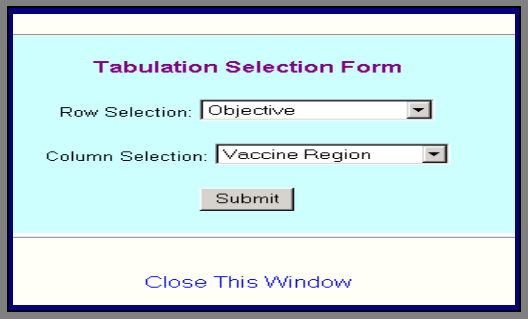


Trial Summary

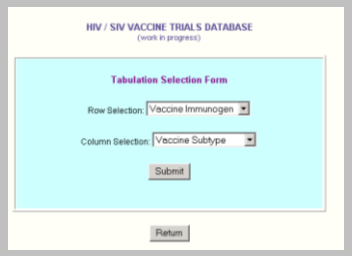


Results Details

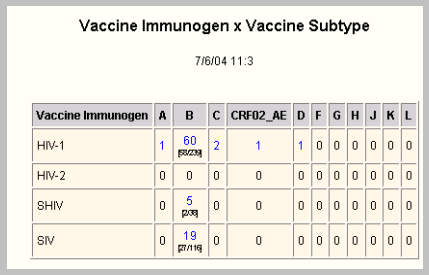
Cross-Table Form



The Cross-Table Form can be used to generate cross-tabulated data, based on two criteria that you can select using the pull-down menus on the form. For example, to see a trend of efficacy of DNA vaccines over time, the user can tabulate the *Vaccine Type* by *Year of Publication*. The output for each search will display as a table containing numbers as shown in the example below. The number in each box is the count of trials in which the row value and column value both occurred. Values greater than 0 are hot links and are shown in blue. Clicking on blue values will display the trials which make up that box. The numbers below in brackets [x/y] give the number of animals protected from infection followed by the number of animals in the trials.



Input



Output

We encourage users to contact us with suggestions for improvement.

Thank you