

NTP Data Collections Help

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CEBS FTP SITE

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Function

The NTP Data Collections application allows users as well as NTP scientists to access related sets of data from a CEBS Guided Search. Complete datasets are displayed as simple filterable tables that can be downloaded.

This tutorial details how to use the data from the NTP Data Collections Guided Search: Browse and/or search the data just like an Excel table through the NTP Data Collections application. Users can also filter, sort, and download data of interest.

To use the NTP Data Collections application, select the “NTP Data Collections” link on the CEBS Homepage (<https://cebs.niehs.nih.gov/cebs/>). The link goes to the NTP Data Collections application homepage. From this page users can access the browse, search, and download options.

Guided Search

The Guided Search application is accessible by selecting the NTP Data Collections button on the CEBS Homepage. From this page, options to Browse and Search are available.

a) Browse Data

The NTP Data Collections homepage contains a list of all the available datasets, including dataset name, grouping information (e.g.: Tox21, NICEATM) and a short description. Clicking on the name of the dataset redirects the user to a new page displaying the full dataset as an interactive table. Datasets too large to be browsed in their entirety (e.g., Tox21) require a Search be

conducted to display a filtered results table. Check the "[Search Data](#)" section to read more about searching the data. Large datasets can be [downloaded from the CEBS FTP site](#).

Browse Data Options

From the browse data page, several options are available to interact with the data:

- **Search Criteria:** see [Search Data](#) section for detailed information
- **Sort Columns:** By clicking on the column header, the content is sorted in ascending or, by clicking a second time, descending order
Note: To sort on multiple columns hold the Shift key.
- **Filter:** Type into the 'Search' box above the table to search for terms of interest
- **Paging:** Results are displayed 100 records per page, to navigate to additional records select the page number on the bottom right of the table, or select Next or Previous to move from page to page
- **Show X Results Per Page:** To show more or less rows/results per page select the desired number from the drop-down menu located at the top left or bottom left of the table
- **Back to Top:** Click the <BACK TO TOP> button to return to the top of the page
- **Download:** Click the <DOWNLOAD> button to download the dataset
Note: 'Filtering' and 'sorting' the displayed table is not be reflected in the downloaded file(s).
- **Return to Homepage:** Click the 'NTP Data Collections' link in the bread-crumbs to return to the application homepage

b) Search Data

The Search Data function allows users to perform focused data searches. Search tools are available above the dataset table, in the **Search Criteria** tab. When many Search Criteria are available they can be divided in two separate tabs: Primary Search Criteria and Additional Search Criteria. Usually Primary Criteria includes Chemical Name and/or other forms of identifiers as well as main conclusions or assay endpoint(s). Additional Search Criteria provide the user with more criteria to refine their search options and includes most of the available data columns. Since the datasets can be very diverse Primary and Additional Search criteria can vary and be dataset-specific.

Note: Since large datasets (e.g., Tox21) can only be viewed by selecting search criteria, the search functions for them are also available in the NTP Data Collections front page.

Search Data Options

From the search data page(s), several options are available to interact with the data:

- **Primary Search:** Click on **<Primary Search Criteria>** to open the primary criteria section. Each Search Criteria provides a text box to input search terms. Users can also click in the boxes to see a drop-down list of options to select. Type-ahead to reduce/filter the number of options displayed
- **Additional Search:** Click on **<Additional Search Criteria>** to expand the additional criteria section. The Additional Search Criteria look and function like the Primary Search Criteria. Click on search boxes to see a drop-down list of options to select. Type-ahead to reduce/filter the number of options displayed
- **Search:** Click the **<SEARCH>** button to run the search with the selected criteria

***Note:** “OR” search criteria is applied within each search box. “AND” search criteria is applied outside the search boxes.*

- **Search Result Options**

- Primary Search Criteria and Additional Search Criteria elicit the same results display in the Search Results page. Results are reported in a table that is organized by dataset names.
- All functionalities described in the [Browse Data Options](#) section, are active in the Search Result page except the DOWNLOAD function in the Search Result Option downloads the table as displayed with user’s searching criteria applied.

***Note:** ‘Filtering’ and ‘sorting’ the displayed table is not being reflected in the downloaded file(s).*

Examples

There follows an example of how to search and browse of a big dataset. Follow along with the steps in the example to see and download the results of searches in the application.

Browse all data with **Active** ER Pathway Model Antagonist classification in the NICEATM Androgen Receptor (AR) and Estrogen Receptor (ER) In Silico pathway model database in ascending order of CASRN and the value of ER Pathway Model Antagonist AC50 (um). Then download all the data in the Bisphenol family.

- 1) Open [CEBS Homepage](#)
- 2) Navigate to NTP Data Collections application
- 3) Click the link of the **< The NICEATM Androgen Receptor (AR) and Estrogen Receptor (ER) In Silico pathway model database>** from the NTP Data Collections homepage
- 4) Type “Active” in the **<ER Pathway Model Antagonist Call>** field
- 5) Click the **<SEARCH>** button
- 6) In the search result page, hold the **<Shift>** button, click the ‘CASRN’ field to sort contents in ascending order

- 7) Keep holding the <**Shift**> button and click on the 'ER Pathway Model Antagonist AC50 (um)' field to sort contents in ascending order
- 8) Browse all data with Active ER Pathway Model Antagonist classification with CASRN and ER Pathway Model Antagonist AC50 (um) in ascending order
- 9) Click the <**Search Criteria**> button
- 10) Type 'Bisphenol' in the 'Chemical Name' field
- 11) Click <**SEARCH**> button
- 12) Click the <**DOWNLOAD**> button to save the results table as an Excel file

Additional Instructions/Information

- CEBS data may be cited by navigating to the CEBS Support page, and selecting the [Citing CEBS](#) document under FAQs