

# CEIRS Reagents Webpage User Guide

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## Introduction

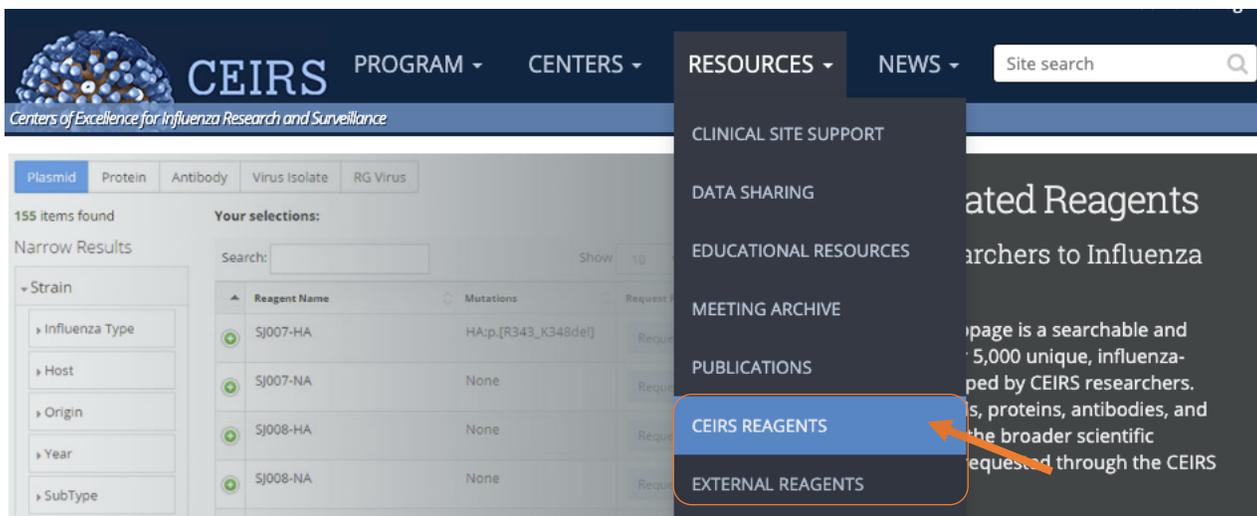
The public [CEIRS Reagents](#) webpage is a searchable and filterable catalog of over 5,000 unique, influenza-specific reagents developed and tested by CEIRS investigators. You can search by reagent type, narrow search results by strain, vector, segment, mutations, publication status, and availability in BEI, and request reagents directly from the Reagents webpage. In this User Guide, we'll provide an overview of the Reagents webpage layout and features, review ways to refine your search, and cover how to request a reagent.

Additionally, there is an [External Reagents](#) webpage containing a catalog of external reagents from different suppliers. These reagents are listed for informational purposes only and are not endorsed by NIAID or the CEIRS Network.

## Overview

### Accessing the Reagents webpage

To access the CEIRS Reagents webpage, go to <http://www.niaidceirs.org>, and select **Reagents** under the Resources menu.



The External Reagents page is also available under the Resources menu.

## Layout & Features

1. The Reagents catalog is displayed in a table and can be viewed by reagent type: Plasmid, Protein, Antibody, Virus Isolate, RG Virus, Ferret Tissue, and Cell.
2. The green number at the top of the table will display how many reagents are available for the selected category.
3. The filters on the left of the reagents table allow you to narrow your search results by strain, vector, segment, mutations, availability in BEI, and published status.
  - o The **Your selections** section highlights what filters have been applied.
4. To clear a selection, click the “x” next to the filter and/or search term selected.
5. The search box allows you to search by key words or numbers such as strain name, gene name, human disease term, BEI number, CEIRS Center, sample identifier, or contributing institution. The selection of reagents will narrow down as you type in key words.
6. The Page size drop-down menu allows you to choose whether you would like to view 5, 10, or 20 reagents at a time.
7. The table allows you to sort columns by fields based on the reagent type such as Reagent Name, Strain, Vector, Segment, and Mutations.
8. The green + icon allows you to expand the row and view additional product information such as Publication PMID, Center Name, Reagent Owner, BEI Number, and Comments.
  - o The red – icon allows you to hide this information and return to the normal view.
9. The request button prompts you to complete a request form and provide your contact information.

### Reagent Type

1 **Plasmid** Protein Antibody Virus Isolate RG Virus Ferret Tissue Cell

2 64 items found

3 Narrow Results

Your selections:  
Influenza Type: A x 4

5 Search: Puerto Rico

6 Page size: 10

Strain	Reagent Name	Strain	Vector	Segment	Mutations	
Influenza Type A (64)	pcDNA3.1-PR8-M2-Mut	A/human/Puerto Rico/8/1934(H1N1)	pcDNA3.1	MP	M2:p.[E97K]	Request
Host	Publication PMID: Not Applicable Center Name: SJCEIRS Reagent Owner: Gavin Smith BEI Number: Not Applicable Comments: Not Applicable					
Origin	pcDNA3.1-PR8-M2-Ctrl	A/human/Puerto Rico/8/1934(H1N1)	pcDNA3.1	MP	Not Applicable	Request
Year	pRF3872-2UP_Katushka_sPR (H1N1) T174C + T175C	A/human/Puerto Rico/8/1934 (H1N1)	pHW2000	PA	PA:c.[T174C; T175C]	Request
SubType	pRF3871-2UP_Katushka_dPR (H1N1) T174C + T175C	A/human/Puerto Rico/8/1934 (H1N1)	pHW2000	PA	PA:c.[T174C; T175C]	Request
Vector	pRF3870-2UP_mCardinal_sPR (H1N1) T174C + T175C	A/human/Puerto Rico/8/1934 (H1N1)	pHW2000	PA	PA:c.[T174C; T175C]	Request
Segment	pRF3869-2UP_mCardinal_dPR	A/human/Puerto Rico/8/1934	pHW2000	PA	PA:c.[T174C; T175C]	Request
Mutations						
Available in BEI						
Published						

10. At the bottom of the page the pagination features allows you to move to the first page, previous page, a specific page number, to the next page, or the last page.

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11. The bottom of the page also displays tables of abbreviations for Antibody Type, Purification, Passage History, and Sample Material.

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#### Antibody Type Abbreviations

MAB	Monoclonal antibody
PAB	Polyclonal antibody
ATS	Antiserum
HAS	Hyperimmune antiserum

#### Purification Abbreviations

TIG	Total Immunoglobulins
IGA	Immunoglobulin A
IGG	Immunoglobulin G
IGM	Immunoglobulin M
IGY	Immunoglobulin Y
NA	Not Applicable
U	Unknown

#### Passage History Abbreviations

E	Embryonated chicken eggs
C	MDCK cells
S	MDCK-SIAT cells
M	Monkey Kidney Cells

#### Sample Material Abbreviations

AIR	Air
AEC	Alveolar Epithelial Cells
BAL	Bronchoalveolar lavage
BLO	Blood
CCF	Combined cloacal and fecal
CCO	Combined cloacal and oral-pharyngeal
CCT	Combined cloacal and tracheal
CLO	Cloacal
FEC	Feces
FIB	Fibroblast Cells
LLF	Lung lavage fluid

#### Sample Material Abbreviations Cont.

LUN	Lungs
NAL	Nasal lavage
NAS	Nasal swab
NEC	Nasal Epithelial Cells
NTS	Combined nasal throat swab
ORP	Oral-pharyngeal
OTH	Other; append free text to describe
OTT	Other tissue
PLS	Plasma
RCS	Rectal swab

#### Sample Material Abbreviations Cont.

SER	Serum
SLU	Slurry
SPC	Soft Palate Cells
SOI	Soil
SPU	Sputum
TEC	Tracheal Epithelial Cells
TFB	Tissue from brain
TFH	Tissue from heart
TFL	Tissue from liver
TFS	Tissue from spleen
TFT	Tissue from trachea

## Refining Your Search

There are several ways to refine your search results; such as by reagent type and by selecting different filter categories such as strain, vector, segment, mutations, publication status, and availability in BEI. Below are tips for refining your search and two examples searches.

- **Searching by strain name, key words, or numbers**
  - When typing your search term in the search field, a list of possible entries will appear after 3 characters are entered.
  - Text string searches are not case sensitive.
  - Terms entered in the search box are searched against the filters that appear on the left (under Narrow Results) and the additional product information that appears in the expand/hide section for each row in the table.

- **Narrowing your selection**
  - Selecting filters on the left will allow further refinement of the returned list.
  - You can select a filter and then use keywords to narrow the results. Note that the search will only be against the existing results.
- **Further refining your selection**
  - After conducting a search, any subsequent search without clearing previous filters/terms will be performed against the existing search results, not the entire database.
  - Existing search terms can be individually removed by clicking the “x” near each search term. You can also remove filters by unselecting them in the Narrow Results menu.

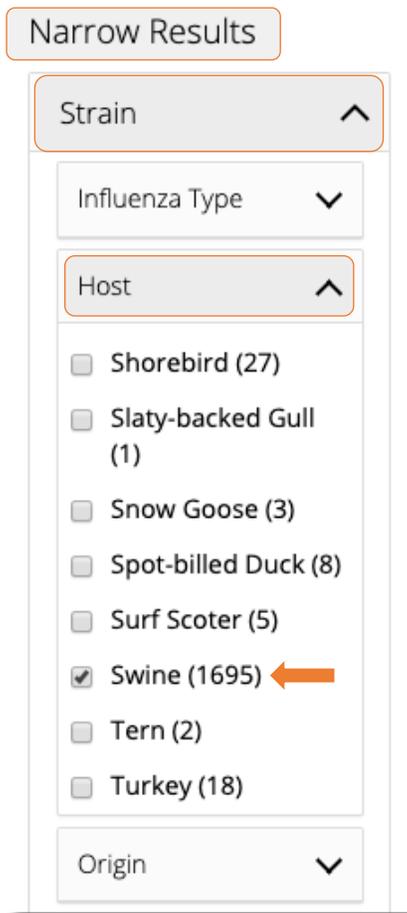
**Example Search 1: All H1 swine isolates available**

Step 1: Select the **Virus Isolate** tab under Reagent Type.



The total number of items found for any selections you make can be found under the tabs in green font.

Step 2: Under Narrow Results, look for Host under the Strain filter and select **swine**.



The number in the parenthesis next to the filter option indicates the total number of items available, so for swine, there are 1695 reagents available.

Step 3: Enter H1N in the search box to refine your selection.

The top of the results table shows the total number of items found, with the selection criteria and search options used. After searching for H1N, we have narrowed our search down to 711 reagents.

### Reagent Type

Plasmid Protein Antibody **Virus Isolate** RG Virus Ferret Tissue Cell

711 items found ←

Your selections:

Host:Swine ✕

### Narrow Results

Search: H1N

The results are tabulated in a descending alphanumerical order for items that appear in the first column (Reagent Name).

Search:  Page size: 10 ▼

	Reagent Name ▼	Passage History ◇	Mutations ◇	
+	A/swine/Wisconsin/49/1976 (H1N1)	X	Not Applicable	Request
+	A/swine/Wisconsin/1/1967 (H1N1)	X	Not Applicable	Request
+	A/swine/Wisconsin/1/1961 (H1N1)	X	Not Applicable	Request

### Example Search 2: Hyperimmune antisera available for H7N9 strain

Step 1: Select the **Antibody** tab under Reagent Type.

After selecting the Antibody reagent type we see that 369 reagents are available.

### Reagent Type

Plasmid Protein **Antibody** Virus Isolate RG Virus Ferret Tissue Cell

369 items found ←

## Narrow Results

Strain ^

Influenza Type v

Host v

Origin v

Year v

SubType v

Antibody Type ^

ATS (49) ←

HAS (249) ←

MAB (49)

PAB (22)

Step 2: Under Narrow Results, look for the Antibody Type filter and select **ATS** for antiserum and **HAS** for hyperimmune antiserum. Note that tables of abbreviations for Antibody Type, Purification, Passage History, and Sample Material are at the bottom of the Reagents webpage.

The number in the parenthesis next to each filter option indicates the total number of reagents available. Here we see that there are 49 ATS items and 249 HAS items available.

Step 3: Enter H7N9 in the search box to refine your selection.

Based on the selection criteria and after searching for H7N9, we have now narrowed our search down to 18 reagents.

## Reagent Type

Plasmid Protein **Antibody** Virus Isolate RG Virus Ferret Tissue Cell

18 items found ←

Your selections:

Antibody Type:HAS x Antibody Type:ATS x

## Narrow Results

Search: H7N9

Our results are now tabulated in a descending alphanumerical order by the Strain column. Additionally, you can click the green + icon (which will then turn red) to view additional information about each reagent.

Your selections:

Antibody Type:ATS x Antibody Type:HAS x

Search: H7N9

Page size: 10

Reagent Name v	Strain d	Antibody Type d	Specificity d	Produced In d	Compatibility d	
 F.2018-53	A/human/Guangdong/17SF003/2016 (H7N9)	HAS	H7N9	Ferret	HAI	<a href="#">Request</a>
<b>Publication PMID:</b> Not Applicable <b>Center Name:</b> SJCEIRS <b>Reagent Owner:</b> Lisa Kercher <b>Purification:</b> Not Applicable <b>BEI Number:</b> Not Applicable <b>Comments:</b> Not Applicable						

## Requesting a Reagent

Once you've found a reagent of interest, simply click the blue **Request** button.

**Your selections:** Antibody Type:ATS ✕ Antibody Type:HAS ✕

Search:  Page size: 10 ▾

	Reagent Name ▾	Strain ◇	Antibody Type ◇	Specificity ◇	Produced In ◇	Compatibility ◇	
	F.2018-53	A/human/Guangdong/17SF003/2016 (H7N9)	HAS	H7N9	Ferret	HAI	Request

This will prompt you to complete a request form and provide Requester Information (your contact information), Organization/Laboratory Information, Shipping Address, and Intended Use of Materials. Click the blue **Submit** button.

After completing the request form, you will receive a confirmation email and the contributing lab will contact you with more details as to how to obtain the reagent. This process can take about 2-4 business days.

Request Reagent from CEIRS Investigator ✕

**Reagent Name:** Antibody Reagent-Not Applicable\_1136275862792

Requester Information: ▾

Organization/Laboratory Information: ▾

Shipping Address: ▾

Intended Use of Materials: ▲

Description of work and proposed use of reagents within that scope (200 characters minimum, required)

\* fields are required.

If you have any questions regarding the CEIRS Reagents webpage, please contact the DPCC Help Desk at [support@niaidceirs.org](mailto:support@niaidceirs.org) or 1-855-846-2697.