

CEIRS Reagents Webpage User Guide

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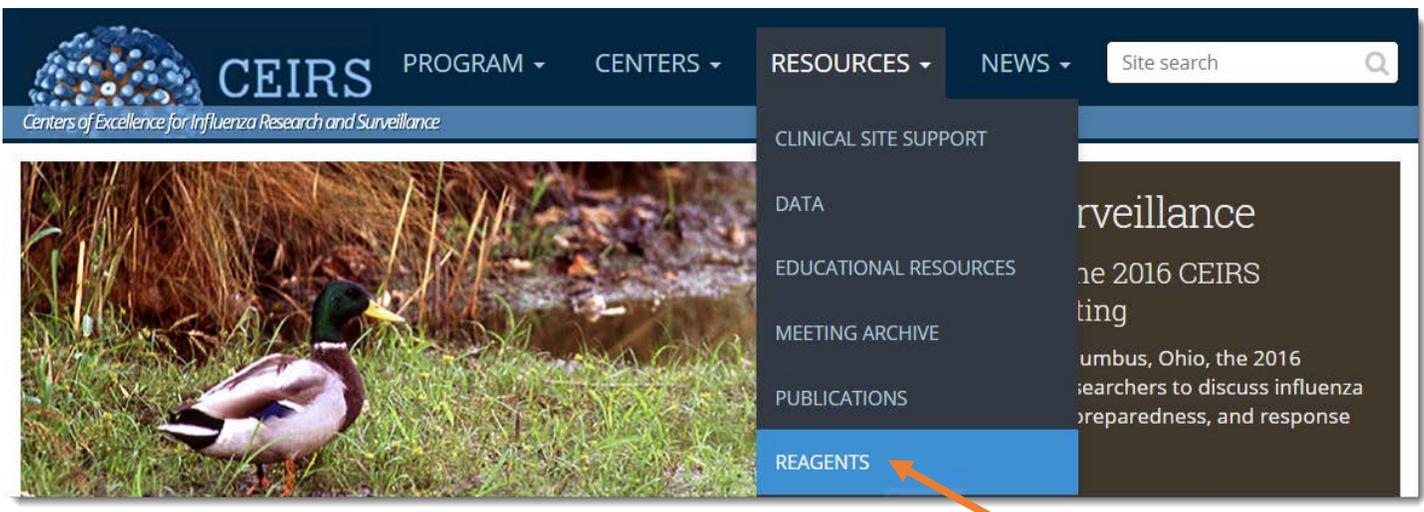
Introduction

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.

Overview

Accessing the Reagents webpage

To access the Reagents webpage, go to <http://www.niaidceirs.org>, and select **Reagents** 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, Cell, or Commercial.

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, BEI Number, Sample Identifier, Contributing Institution, 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 Cell Commercial

2 55 items found

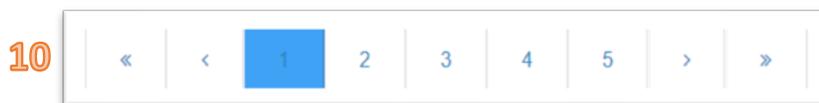
3 Narrow Results

4 Your selections:
Influenza Type:A x

5 Search: Puerto Rico **6** Page size: 10

Strain	Reagent Name	Strain	Vector	Segment	Mutations	
Influenza Type A (55)	7 - pcDNA3.1-PR8-M2-Mut	A/human/Puerto Rico/8/1934(H1N1)	pcDNA3.1	MP	M2:p.[E97K]	Request
Host	8 + Publication PMID: NA Center Name: SJCEIRS BEI Number: NA Sample Identifier: NA Contributing Institution: SJC141 Comments: NA					
Origin	+ pcDNA3.1-PR8-M2-Ctrl	A/human/Puerto Rico/8/1934(H1N1)	pcDNA3.1	MP	Not Applicable	9 Request
Year	+ pRF3872-2UP_Katushka_sPR (H1N1) T174C + T175C	A/human/Puerto Rico/8/1934 (HxNx)	pHW2000	PA	PA:c.[T174C; T175C]	Request
SubType	+ pRF3871-2UP_Katushka_dPR (H1N1) T174C + T175C	A/human/Puerto Rico/8/1934 (HxNx)	pHW2000	PA	PA:c.[T174C; T175C]	Request
Vector	+ pRF3870-2UP_mCardinal_sPR (H1N1) T174C + T175C	A/human/Puerto Rico/8/1934 (HxNx)	pHW2000	PA	PA:c.[T174C; T175C]	Request
Segment						
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.

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 search terms by unselecting them in the menu.

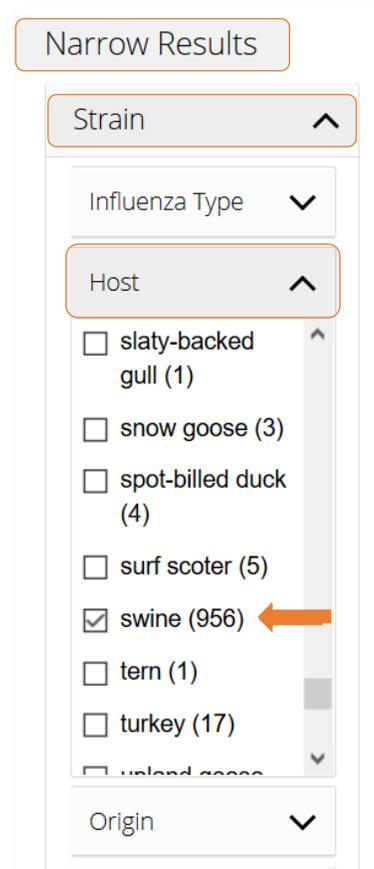
Example Search 1: All H1 swine isolates available

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 956 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 304 reagents.

Reagent Type

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

304 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: H1N 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 281 reagents are available.

Reagent Type

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

281 items found ←

Narrow Results

Strain ^

Influenza Type v

Host v

Origin v

Year v

SubType v

Antibody Type ^

ATS (46) ←

HAS (192) ←

MAB (24)

PAB (19)

Step 2: Under Narrow Results, look for the Antibody Type filter and select **HAS** for hyperimmune antiserum and **ATS** for 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 46 ATS items and 192 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 11 reagents.

Reagent Type

Plasmid

Protein

Antibody

Virus Isolate

RG Virus

Ferret

Cell

Commercial

11 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 Reagent Name column. Additionally, you can click the green + icon to view additional information about each reagent.

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

Search:

Page size: 10 ▾

	Reagent Name ▾	Strain ◇	Antibody Type ◇	Purification	Specificity ◇	Produced In ◇	Compatibility ◇	
⊖	F.2017-64	rg-A/human/Hong Kong/125/2017[PR8 internal 6+2] (H7N9)	HAS	NA	H7N9	Ferret	HAI	Request
		Publication PMID: NA Center Name: SJCEIRS BEI Number: NA Sample Identifier: 652473 Contributing Institution: SJC101 Comments: IDCDC-RG56B						
⊕	F.2017-63	rg-A/human/Hong Kong/125/2017[PR8 internal 6+2] (H7N9)	HAS	NA	H7N9	Ferret	HAI	Request
⊕	F.2017-42	rg-A/human/Guangzhou/17SF003RG/2017 (H7N9)	HAS	NA	H7N9	Ferret	HAI	Request

Requesting a Reagent

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

	Reagent Name ▾	Strain ◇	Vector ◇	Segment ◇	Mutations ◇	
⊖	pcDNA3.1-PR8-M2-Mut	A/human/Puerto Rico/8/1934(H1N1)	pcDNA3.1	MP	M2.p.[E97K]	Request 
		Publication PMID: NA Center Name: SJCEIRS BEI Number: NA Sample Identifier: NA Contributing Institution: SJC141 Comments: NA				

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.

Request Reagent from CEIRS Investigator

Reagent Name: Plasmid Reagent-1136055751162

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.

Reset Submit

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.

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