



eFSAP APHIS/CDC Form 1 Amendments

Section 7b Amendment: Modify Strains or Serotypes



Adding a Strain/Serotype

Section 7B Strain or Serotype Designation Information OMB: 0920-05/6

[Export CSV](#)

Add Agent / Strain or Serotype

Agent/Toxin: Brucella abc Strain/Serotype: biovar 4 Additional Info: Assigned PIs: Killian Lopez Recombinant: Synthetic: N/A:

[Collapse](#) [Add Agent/Toxin & Strain/Serotype](#)

Select All	Agent/Toxin	Strain/Serotype	Additional Info	Count	Assigned PIs	Recombinant	Synthetic	N/A	Date Initially Ad...	Edit
<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	mm/dd/yyyy	
<input type="checkbox"/>	Botulinum neurotoxins	biovar 4		3		×	×	×	05/24/2019	
<input type="checkbox"/>	Brucella abortus	biovar 5		4		✓	×	✓	01/19/2018	
<input type="checkbox"/>	Brucella suis	biovar 6		5		✓	×	✓	05/07/2020	
<input type="checkbox"/>	Burkholderia mallei	biovar 9		4		×	×	✓	03/26/2020	
<input type="checkbox"/>	Burkholderia pseudomallei	Other		2		✓	×	×	07/23/2019	
<input type="checkbox"/>	Burkholderia mallei	Tulya	ibodef	1		✓	✓	×	06/02/2020	
<input type="checkbox"/>	Brucella suis	Unknown		6		✓	×	✓	06/02/2020	
	Brucella suis	513	123	1		×	×	✓	06/05/2020	

- Only agents/toxins on approved work objectives will be selectable.
- Strains/serotypes will appear in dropdown list.
- If you choose Other, you **must** complete Additional Info.
- If you choose Unknown, you **cannot** complete Additional Info.
- Otherwise, Additional Info is optional.

- Only PIs on an approved work objective for that agent/toxin will be selectable.
- You can select more than one PI (there is no more “Entity-wide” designation).
- The user must choose a property (recombinant, synthetic, or N/A).
- User cannot create an exact duplicate strain (blocked at Add button).

Adding a Strain/Serotype (cont'd.)

Parent vs. Child Rows

- The table will automatically group same Agent/Strain combinations into a single expandable row.

+	Brucella suis	biovar 1	6	Ruben Rubio, Killian Lopez, Britney Beck	✓	✗	✓
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- The "parent" row will be a summary of its children's count, PIs, and properties.
- Each "child" row will be unique and visible upon expanding the parent.

-	Brucella suis	biovar 1	6		✓	✗	✓
L	Brucella suis	biovar 1			✗	✗	✓
L	Brucella suis	biovar 1			✓	✗	✗
L	Brucella suis	biovar 1			✗	✗	✓
L	Brucella suis	biovar 1			✗	✗	✓
L	Brucella suis	biovar 1	cat-		✓	✗	✗
L	Brucella suis	biovar 1			✗	✗	✓

Editing a Single Row (in-line editing)

User can edit a single row in the grid table by simply clicking on the field they wish to change.

- Strain/Serotype

Burkholderia mallei	China 7	1	[REDACTED]	✓	✓	✗	06/02/2020	Save	Undo
<div style="border: 1px solid black; padding: 2px;"><input type="text" value="China 7"/> Bogor China 5 China 7 Mukteswar NCTC 120 Other Unknown</div>									

- Additional Info

Burkholderia mallei	China 7	Mutant 1	1	[REDACTED]	✓	✓	✗	06/02/2020	Save	Undo
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- PI(s)

Burkholderia mallei	China 7	1	[REDACTED]	✓	✓	✗	06/02/2020	Save	Undo
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- Properties

Burkholderia mallei	China 7	1	[REDACTED]	✓	<input checked="" type="checkbox"/>	✗	06/02/2020	Save	Undo
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Editing a Single Row (in-line editing) - (cont'd.)

Hit the Save button to save changes or hit the Undo button to cancel changes.

Select All	Agent/ Ioxin	Strain/Serotype	Additional Info	Count	Assigned PIs	Recombinant	Synthetic	N/A	Date Initially Ad...	Edit
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="mm/dd/yyyy"/> <input type="text" value="mm/dd/yyyy"/>	
<input type="checkbox"/>	Brucella abortus	Not Yet Reported		4		✓	✗	✓	01/19/2018	
<input type="checkbox"/>	Botulinum neurotoxins	Not Yet Reported		3		✗	✗	✗	05/24/2019	
<input type="checkbox"/>	Burkholderia pseudomallei	Not Yet Reported		2		✓	✗	✗	07/23/2019	
<input type="checkbox"/>	Burkholderia mallei	Not Yet Reported		4		✗	✗	✓	03/26/2020	
<input type="checkbox"/>	Brucella suis	Not Yet Reported		5		✓	✗	✓	05/07/2020	
<input type="checkbox"/>	Burkholderia mallei	China 7	Mutant 1	1		✓	✗	✗	06/02/2020	<input type="button" value="Save"/> <input type="button" value="Undo"/>
<input type="checkbox"/>	Brucella suis	biovar 1		6		✓	✗	✓	06/02/2020	
	Brucella suis	513	123	1		✗	✗	✓	06/05/2020	
	Brucella melitensis	16M	strain 1	1		✗	✗	✓	10/25/2019	
	Burkholderia pseudomallei	1026b	x	1		✗	✗	✓	06/05/2020	

Rules:

- Cannot edit a parent row in-line.
- Cannot change agent/toxin name in-line.
- Cannot edit a row that will result in an exact duplicate (blocked at save button).

Bulk Editing

User can select one or more rows and apply changes in bulk.

- Click to select multiple rows (parents and/or children).
- Use the select all checkbox (with or without column filters).
- Hit the blue Edit button.

Select All	Agent/Toxin	Classical Strain/Serotype	Additional Info	Count	Assigned PIs	Recombinant	Synthetic	N/A	Date Initially Ad...	Edit
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	mm/dd/yyyy <input type="text"/>	<input type="text"/>
<input type="checkbox"/>	Botulinum neurotoxins	Not Yet Reported		3		✗	✗	✗	05/24/2019	
<input type="checkbox"/>	2 Brucella abortus	Not Yet Reported		4		✓	✗	✓	01/19/2018	
<input checked="" type="checkbox"/>	Brucella abortus	Not Yet Reported	2			✗	✗	✓	01/19/2018	
<input checked="" type="checkbox"/>	Brucella abortus	Not Yet Reported	5525			✗	✗	✓	12/06/2019	
<input checked="" type="checkbox"/>	Brucella abortus	Not Yet Reported	132456			✓	✗	✗	05/07/2020	
<input checked="" type="checkbox"/>	Brucella abortus	Not Yet Reported	111			✓	✗	✗	05/07/2020	
<input type="checkbox"/>	Brucella melitensis	16M	strain 1	1		✗	✗	✓	10/25/2019	
<input type="checkbox"/>	Brucella suis	biovar 1		6		✓	✗	✓	06/02/2020	
<input checked="" type="checkbox"/>	5 Brucella suis	Not Yet Reported		5		✓	✗	✓	05/07/2020	
<input checked="" type="checkbox"/>	Burkholderia mallei	Bogor	abcdef	1		✓	✓	✗	06/02/2020	
<input type="checkbox"/>	Burkholderia mallei	Not Yet Reported		4		✗	✗	✓	03/26/2020	
<input checked="" type="checkbox"/>	1 Burkholderia pseudomallei	Not Yet Reported		2		✓	✗	✗	07/23/2019	

26 Total Strains

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Bulk Editing (cont'd.)

- A popup modal will appear.
- User can click checkboxes to allow editing of certain fields.

Single Agent/Toxin

Bulk Edit

Selected Rows:

Brucella suis biovar 1
Brucella suis Not Yet Reported
Brucella suis Not Yet Reported
Brucella suis biovar 1 cat-

Click to edit Strain/Serotype

Click to edit Additional Info

Click to edit Assigned PIs

Click to edit Strain/Serotype Properties

Recombinant Synthetic N/A

Confirm Close

Multiple Agents/Toxins

Bulk Edit

Selected Rows:

Brucella suis biovar 1
Burkholderia mallei Bogor abcdef
Brucella suis Not Yet Reported abcd
Burkholderia pseudomallei 1026b x

Click to edit Strain/Serotype

Click to edit Additional Info

Click to edit Assigned PIs

Click to edit Strain/Serotype Properties

Recombinant Synthetic N/A

Confirm Close

Bulk Editing (cont'd.)

Confirmation Screen

- Displays the number of strains/serotypes being edited.
- Updated data will be highlighted.
- Select Proceed to save changes, or Cancel.

You are editing 2 strains/serotypes with the following changes:

Agent/Toxin	Strain/Serotype	Additional Info	Assigned PIs	Recombinant	Synthetic	N/A
Previous Data:						
Brucella suis	Not Yet Reported			×	×	×
New Data:						
Brucella suis	biovar 4			×	×	✓
Previous Data:						
Brucella suis	Not Yet Reported			✓	×	×
New Data:						
Brucella suis	biovar 4			×	×	✓

The following changes will result in 1 duplicate(s) which will be deleted

Are you sure that you want to proceed?

You are editing 2 strains/serotypes with the following changes:

Agent/Toxin	Strain/Serotype	Additional Info	Assigned PIs	Recombinant	Synthetic	N/A
Previous Data:						
Brucella suis	Not Yet Reported			×	×	×
New Data:						
Brucella suis	biovar 5			×	×	✓
Previous Data:						
Brucella suis	Not Yet Reported			✓	×	×
New Data:						
Brucella suis	biovar 5			×	×	✓

Are you sure that you want to proceed?

- Blocks creation of duplicate rows by auto-deletion.

Migration of Data from Old 7B

Select All	Agent/Toxin	Strain/Serotype	Additional Info	Count	Assigned PIs	Recombinant	Synthetic	N/A	Date Initially Ad...
<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="mm/dd/yyyy"/> <input type="calendar"/>				
<input type="checkbox"/>	Abrin	Not Yet Reported		4		×	×	×	03/17/2020
<input type="checkbox"/>	Abrin	Not Yet Reported	EDM88			×	×	×	03/17/2020
<input type="checkbox"/>	Abrin	Not Yet Reported	ABCD			×	×	×	05/06/2020
<input type="checkbox"/>	Abrin	Not Yet Reported	MR71			×	×	×	05/06/2020
<input type="checkbox"/>	Abrin	Not Yet Reported	GPE-			×	×	×	05/29/2020
<input type="checkbox"/>	Brucella abortus	Not Yet Reported		3		×	×	×	05/14/2020
<input type="checkbox"/>	Coxiella burnetii	Not Yet Reported		2		×	×	×	05/14/2020
<input type="checkbox"/>	Ebola virus	Not Yet Reported		2		×	×	×	02/11/2020

- All strains/serotypes will display as Not Yet Reported.
- Strain/serotype name data from the old 7B will appear as Additional Info.
- Any strain/serotype previously designated as entity-wide will now list all PIs on an approved work objective for that agent/toxin.
- Properties will display as three red “X”s.

Migration of Data from Old 7B (cont'd.)

Select All	Agent/Toxin	Strain/Serotype	Additional Info	Count	Assigned PIs	Recombinant	Synthetic	N/A	Date Initially Ad...
<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	mm/dd/yyyy <input type="text"/>				
<input type="checkbox"/>	Abrin	Not Yet Reported		4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	03/17/2020
<input type="checkbox"/>	Abrin	Not Yet Reported	EDM88			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	03/17/2020
<input type="checkbox"/>	Abrin	Not Yet Reported	ABCD			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	05/06/2020
<input type="checkbox"/>	Abrin	Not Yet Reported	MR71			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	05/06/2020
<input type="checkbox"/>	Abrin	Not Yet Reported	GPE-			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	05/29/2020
<input type="checkbox"/>	Brucella abortus	Not Yet Reported		3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	05/14/2020
<input type="checkbox"/>	Coxiella burnetii	Not Yet Reported		2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	05/14/2020
<input type="checkbox"/>	Ebola virus	Not Yet Reported		2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	02/11/2020

- Entity User (RO, Alternate RO (ARO), or PI) will need to choose a strain/serotype and complete the properties for each entry.
- Three ways to accomplish this:
 - Edit each row individually
 - Use bulk edit feature
 - Delete any outdated/irrelevant data
- Weekly notification will fire until all entries have been updated.

eFSAP system	Form1 View	6/8/2020 10:00:10 AM	There are select agents or toxins on your entity's Form 1 Section 7B for which a strain/serotype has not yet been reported
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Deleting a Single Row

User can delete a single row in the grid table by selecting the row and clicking the delete button

Burkholderia mallei	NCTC 120		1		✗	✗	✓	06/10/2020
Burkholderia pseudomallei	1106a	K96 243	1		✗	✓	✗	02/20/2019
Ebola virus	Reston		1		✗	✗	✓	06/10/2020
Synchytrium endobioticum	Race 2 NFLD		1		✗	✗	✓	06/10/2020

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Edit Delete

Confirmation Screen

- If attempting to delete an agent/toxin's last strain/serotype, an alert message with instructions will appear.
- PI cannot delete a final strain/serotype (only RO/ARO).
- Press Delete to confirm, or Close to cancel.

Delete

Are you sure you want to remove these strain(s) / serotype(s)

Ebola virus Reston

You are removing the last strain / serotype for this agent / toxin. This will change the possession status for the agent / toxin to unpossessed. Provide details of the disposition of the agent / toxin via the communications log or via document upload. If you upload a document, note the file name in the communications log.
Are you sure that you want to remove the last strain / serotype of:

Ebola virus

Delete Close

Bulk Deleting

Similarly, user can delete multiple rows in the grid table by selecting them and clicking the delete button.

The screenshot shows a data grid with columns for selection, agent name, biovar, serotype, count, status, and date. A black box obscures the middle columns. The 'Delete' button is highlighted in red.

	Agent	Biovar	Serotype	Count	Status	Date
<input type="checkbox"/>	Brucella melitensis	biovar 2		3	✗	11/15/2019
<input type="checkbox"/>	Brucella melitensis	biovar 2	12		✗	11/15/2019
<input checked="" type="checkbox"/>	Brucella melitensis	biovar 2	aa		✗	06/11/2020
<input type="checkbox"/>	Brucella melitensis	biovar 2	2020		✗	06/11/2020
<input checked="" type="checkbox"/>	Brucella suis	biovar 2		2	✓	02/20/2019
<input type="checkbox"/>	Burkholderia mallei	NCTC 120		1	✗	06/10/2020
<input type="checkbox"/>	Burkholderia pseudomallei	1106a	K96 243	1	✗	02/20/2019
<input checked="" type="checkbox"/>	Synchytrium endobioticum	Race 2 NFLD		1	✗	06/10/2020

31 Total Strains
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[Edit] [Delete]

The dialog box asks for confirmation to remove selected strains. It lists the strains to be removed and provides a text input field for the user to specify the reason for removal.

Are you sure you want to remove these strain(s) / serotype(s)

- Brucella suis biovar 2 1330
- Brucella suis biovar 2
- Brucella melitensis biovar 2 aa
- Synchytrium endobioticum Race 2 NFLD

You are removing the last strain / serotype for this agent / toxin. This will change the possession status for the agent / toxin to unpossessed. Provide details of the disposition of the agent / toxin via the communications log or via document upload. If you upload a document, note the file name in the communications log.
Are you sure that you want to remove the last strain / serotype of.

Brucella suis
Synchytrium endobioticum

[Delete] [Close]

Confirmation Screen

- If attempting to delete an agent/toxin's last strain/serotype, an alert message with instructions will appear.
- Note *Brucella melitensis* is not included in the alert because additional strains will remain.
- Press Delete to confirm, or Close to cancel.

View Mode

Section 7B Strain or Serotype Designation Information OMB: 0920-0576

[Export CSV](#)

All Current Historical

Agent/Toxin	Strain/Serotype	Additional Info	Count	Assigned PIs	Recombinant	Synthetic	N/A	Date Initially Ad...
Avian influenza virus	H5N4		1	[REDACTED]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	06/11/2020
<input type="button" value="+"/>	Ebola virus	Bundibugyo	2	[REDACTED]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	05/27/2020
	Ebola virus	Sudan	1	[REDACTED]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	12/01/2017
	Foot-and-mouth disease virus	Not Yet Reported	1	[REDACTED]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	05/22/2020
	Lumpy skin disease virus	Other	lumpy	[REDACTED]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	02/14/2020
	Rift Valley fever virus	Not Yet Reported	ghgh	[REDACTED]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	02/13/2020

- User is able to toggle between All, Current (default), and Historical strains/serotypes.
- RO/ARO can export 7B table into CSV file.
- History buttons are available for strains/serotypes.

View Mode (cont'd.)

Avian influenza virus	H5N4	1				✓	✗	✗	06/11/2020	History
+ Ebola virus	Bundibugyo	2				✓	✗	✓	05/27/2020	
Ebola virus	Sudan	1				✗	✗	✓	12/01/2017	History
	▲ Strain/Serotype	▲ Additional Info	▲			▲ Recombinant	▲ Synthetic	▲ N/A	▲ Date Modified	▲ Modified By
	Sudan					✗	✗	✓	06/11/2020	Responsible Official2
	Sudan	Strain 10 Strain 11 ...				✗	✗	✓	06/11/2020	Responsible Official2
	Sudan	Strain 10 Strain 11 ...				✗	✗	✓	06/11/2020	Responsible Official2
	Not Yet Reported	Strain 10 Strain 11 ...								
Foot-and-mouth disease virus	Not Yet Reported	1				✓	✗	✗	05/22/2020	

- Clicking the History button will open additional rows in the table, indicating which field was modified, when and by whom.

All <input type="radio"/> Current <input checked="" type="radio"/> Historical <input type="radio"/>		Agent/Toxin	Strain/Serotype	Additional Info	Count	Assigned PIs	Recombinant	Synthetic	N/A	Date Initially Ad...	Date Withdrawn
		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	mm/dd/yyyy <input type="text"/>	mm/dd/yyyy <input type="text"/>
							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	mm/dd/yyyy <input type="text"/>	mm/dd/yyyy <input type="text"/>
		Burkholderia mallei	Not Yet Reported		1		✗	✓	✗	05/27/2020	05/27/2020
	+	Abrin	Not Yet Reported		5		✓	✗	✓	12/12/2019	06/09/2020
	+	Brucella melitensis	Not Yet Reported		3		✗	✗	✓	02/06/2020	05/27/2020
	+	Lassa fever virus	Not Yet Reported		3		✗	✗	✗	09/26/2017	02/12/2020

- Historical toggle will include another column for Date Withdrawn.

PI Mode

[Export CSV](#)

Add Agent / Strain or Serotype Add

Select All	Agent/Toxin	Strain/Serotype	Additional Info	Count	Recombinant	Synthetic	N/A	Date Initially Ad...	Edit
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value="mm/dd/yyyy"/> <input type="text" value="mm/dd/yyyy"/>	
	Avian influenza virus	H5N4	1234	1	✓	✗	✗	06/11/2020	
<input type="checkbox"/>	Ebola virus	Bundibugyo		2	✓	✗	✓	05/27/2020	
	Ebola virus	Sudan		1	✗	✗	✓	12/01/2017	
	Foot-and-mouth disease virus	Serotype Asia		1	✓	✗	✗	05/22/2020	
	Francisella tularensis	Schu S4		1	✗	✗	✓	02/04/2020	
	Lumpy skin disease virus	Other	lumpy	1	✗	✗	✓	02/14/2020	
	Rift Valley fever virus	Zinga	2020	1	✓	✗	✗	02/13/2020	

8 Total Strains
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Note: Strains/serotypes that are assigned to more than 1 Principal Investigator must be edited by your responsible official or alternate responsible officials

[Delete](#)

- Only strains assigned to the PI who is logged in will appear.
- The PI has the ability to add, modify, delete strains.
- Rule 1: A PI cannot edit/delete a strain that is shared with other PI(s).
 - Shared strains will not be selectable or editable in the table.
- Rule 2: A PI cannot delete an agent's last strain (only RO/ARO can do this).
 - PI will be blocked at the delete confirmation screen.



eFSAP Support



- ❑ For technical assistance with eFSAP, or for assistance with the Secure Asset Management System (SAMS), [please submit a help request ticket at eFSAP support form, email \[eFSAPSupport@cdc.gov\]\(mailto:eFSAPSupport@cdc.gov\), or call 1 \(877\) 232-3322](#)
- ❑ For all other inquiries regarding your entity's registration, please contact your designated FSAP point of contact (POC).