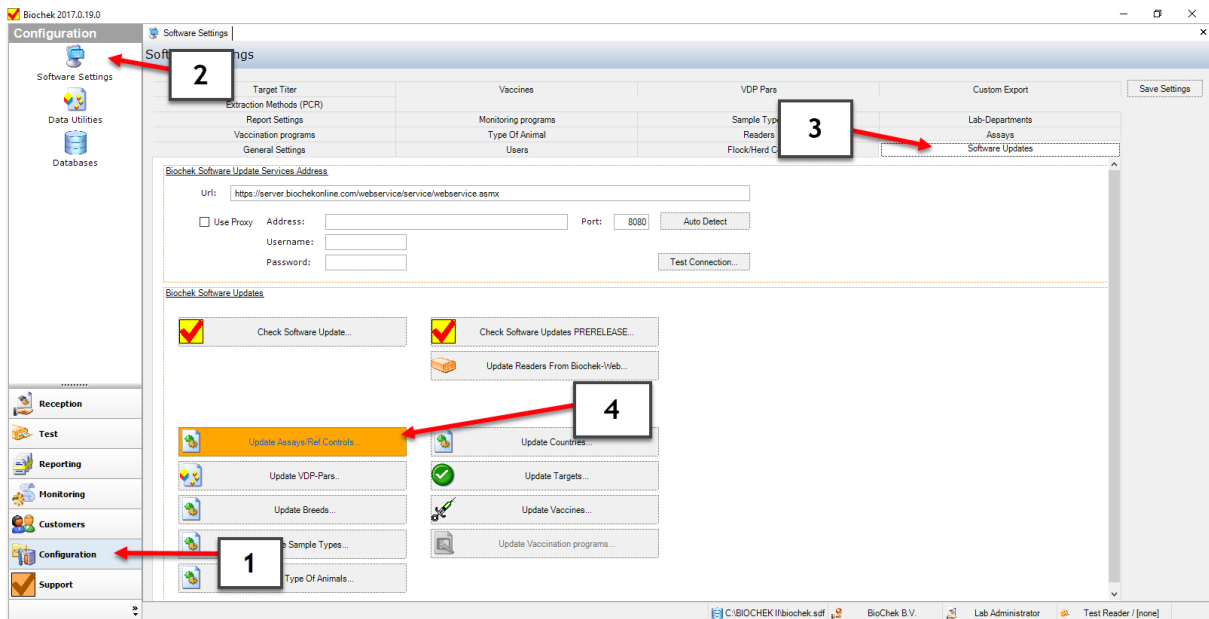


Each new batch of a reference control will have its own, unique titer ranges. Therefore, it is required to **download and activate** the new ref control in the BioChek II Software.

It is done as described below:

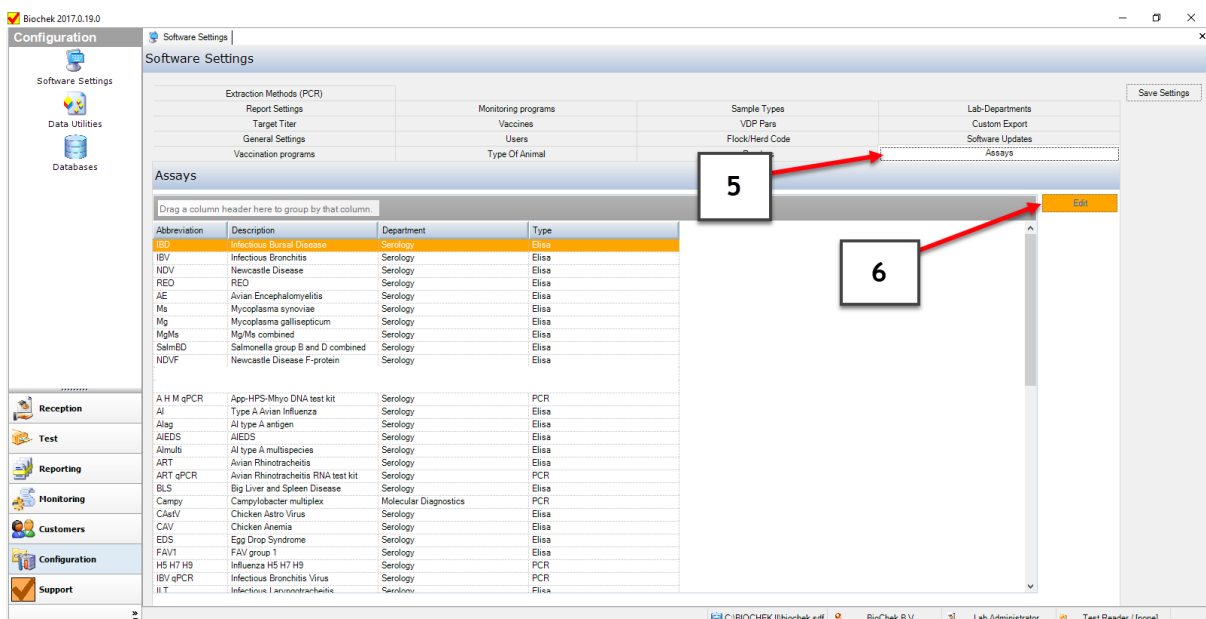
1. Download the new Ref control:
Open BioChek II Software and go to **Configuration > Software Settings > Software Updates > click Update Assay's and Ref. Controls.**



When successful, the message Assay's Update appears

2. Activate the ref control for each assay:

Go to **Configurations > Software Settings > Assays** (select the assay of interest) and click **Edit**



Go to **Elisa > Reference controls** and tick the box **Automatic Fill** to get the reference control in the plate layout. Click **SAVE**

The screenshot shows the 'Assay Infectious Bursal Disease' window with the 'Elisa' tab selected. The 'Reference Controls' section is active, displaying a table with the following data:

Text	# Wells	Min	Max	Automatic Fill	[Priority]
RS03	2	8000	10000	<input type="checkbox"/>	0
RF10	1	4000	8000	<input type="checkbox"/>	0
RF10	2	4000	8000	<input type="checkbox"/>	0
RF09	2	4000	8000	<input type="checkbox"/>	0
CRS	2	3000	6000	<input type="checkbox"/>	999
CR300 (RS06)	2	3500	9000	<input checked="" type="checkbox"/>	999
CR300 (RS04)	2	3000	7000	<input type="checkbox"/>	2
CR300 (CH0506)	2	6000	10000	<input type="checkbox"/>	2
CR100 (RF13)	2	6000	12000	<input checked="" type="checkbox"/>	1

Annotations in the image:
 7: Points to the 'Elisa' tab.
 8: Points to the 'Reference Controls' column header.
 9: Points to the 'Automatic Fill' checkbox for the CR300 (RS06) row.
 10: Points to the 'Save' button at the bottom right.

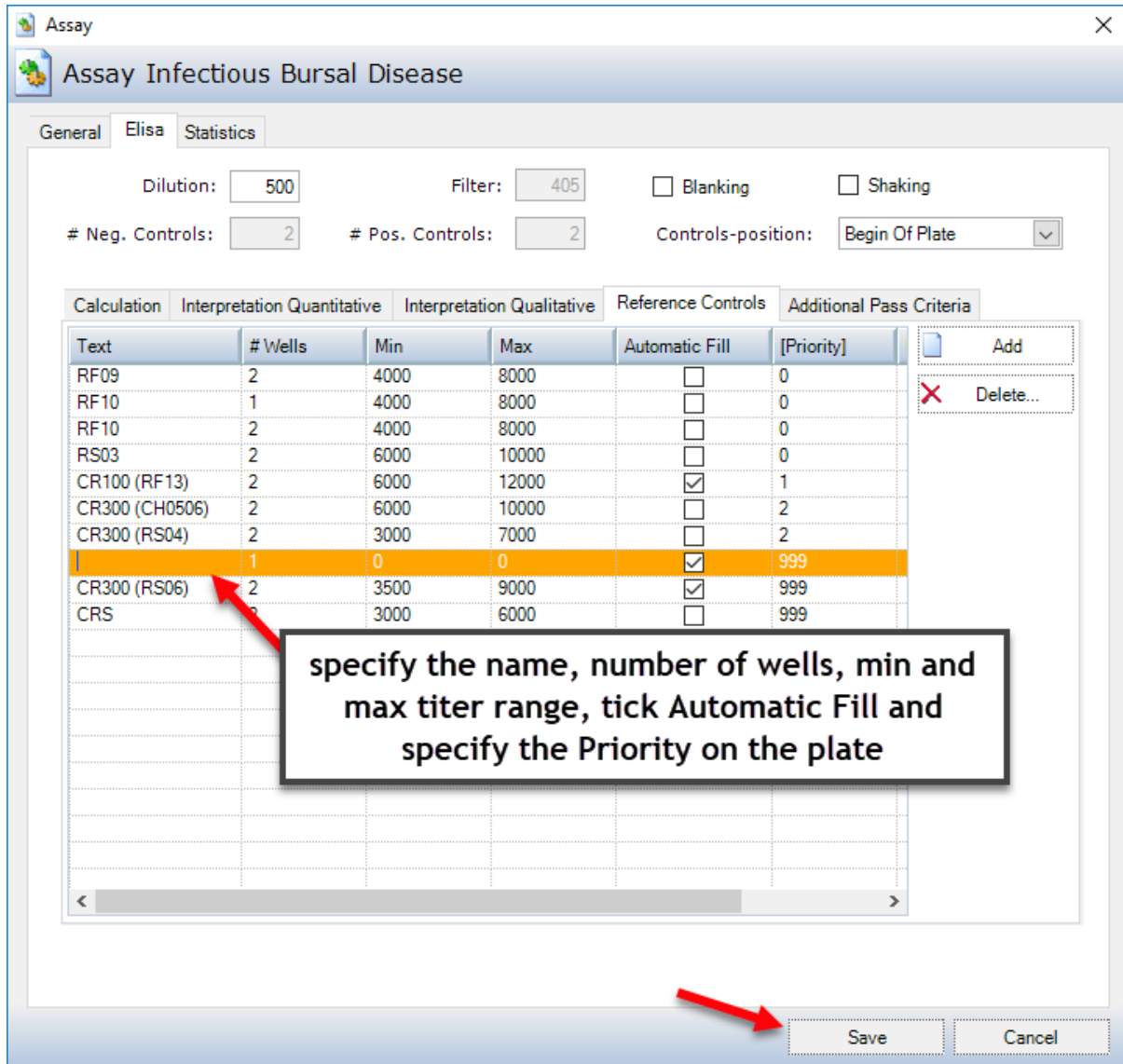
Finish by clicking **SAVE SETTINGS**

The screenshot shows the 'Software Settings' window. The 'Assays' section is visible, containing a table with the following data:

Abbreviation	Description	Department	Type
IBD	Infectious Bursal Disease	Serology	Elisa
IBV	Infectious Bronchitis	Serology	Elisa
NDV	Newcastle Disease	Serology	Elisa
REO	REO	Serology	Elisa
AE	Avian Encephalomyelitis	Serology	Elisa
Ms	Mycoplasma synoviae	Serology	Elisa
Mg	Mycoplasma gallisepticum	Serology	Elisa
Mg/Ms	Mg/Ms combined	Serology	Elisa
Sal/BD	Salmonella group B and D combined	Serology	Elisa
NDVF	Newcastle Disease F-protein	Serology	Elisa

Annotation 11: Points to the 'Save Settings' button at the bottom right of the window.

NOTE: in case downloading the ranges is no option, one can add the ref controls manually by going to **Configuration > Software Settings > Assays > Edit > Elisa > reference controls > Add** and specify the required info about the ref control, which you can find on the insert.



Assay Infectious Bursal Disease

General **Elisa** Statistics

Dilution: Filter: Blanking Shaking

Neg. Controls: # Pos. Controls: Controls-position:

Text	# Wells	Min	Max	Automatic Fill	[Priority]
RF09	2	4000	8000	<input type="checkbox"/>	0
RF10	1	4000	8000	<input type="checkbox"/>	0
RF10	2	4000	8000	<input type="checkbox"/>	0
RS03	2	6000	10000	<input type="checkbox"/>	0
CR100 (RF13)	2	6000	12000	<input checked="" type="checkbox"/>	1
CR300 (CH0506)	2	6000	10000	<input type="checkbox"/>	2
CR300 (RS04)	2	3000	7000	<input type="checkbox"/>	2
	1	0	0	<input checked="" type="checkbox"/>	999
CR300 (RS06)	2	3500	9000	<input checked="" type="checkbox"/>	999
CRS	2	3000	6000	<input type="checkbox"/>	999

specify the name, number of wells, min and max titer range, tick Automatic Fill and specify the Priority on the plate

Save Cancel

Click Save and finish with **SAVE SETTING**