



User Manual – Lab Animal Health.

Content.

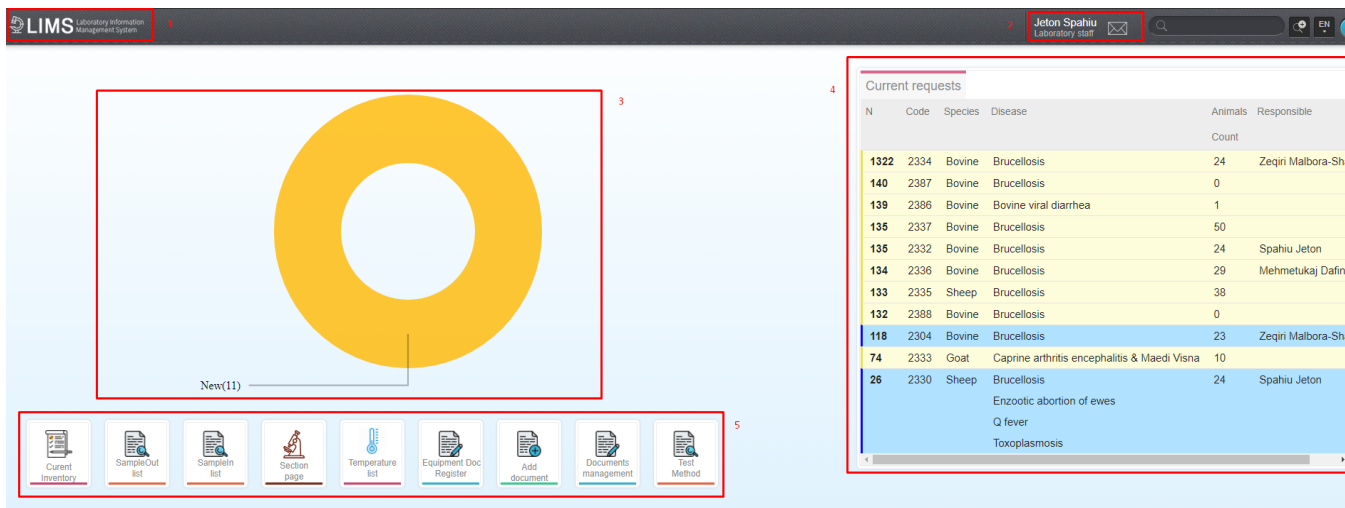
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1.Login page.



1. Field for entering a personal login.
2. Field for entering a password.
3. Login button.

2. Desktop.

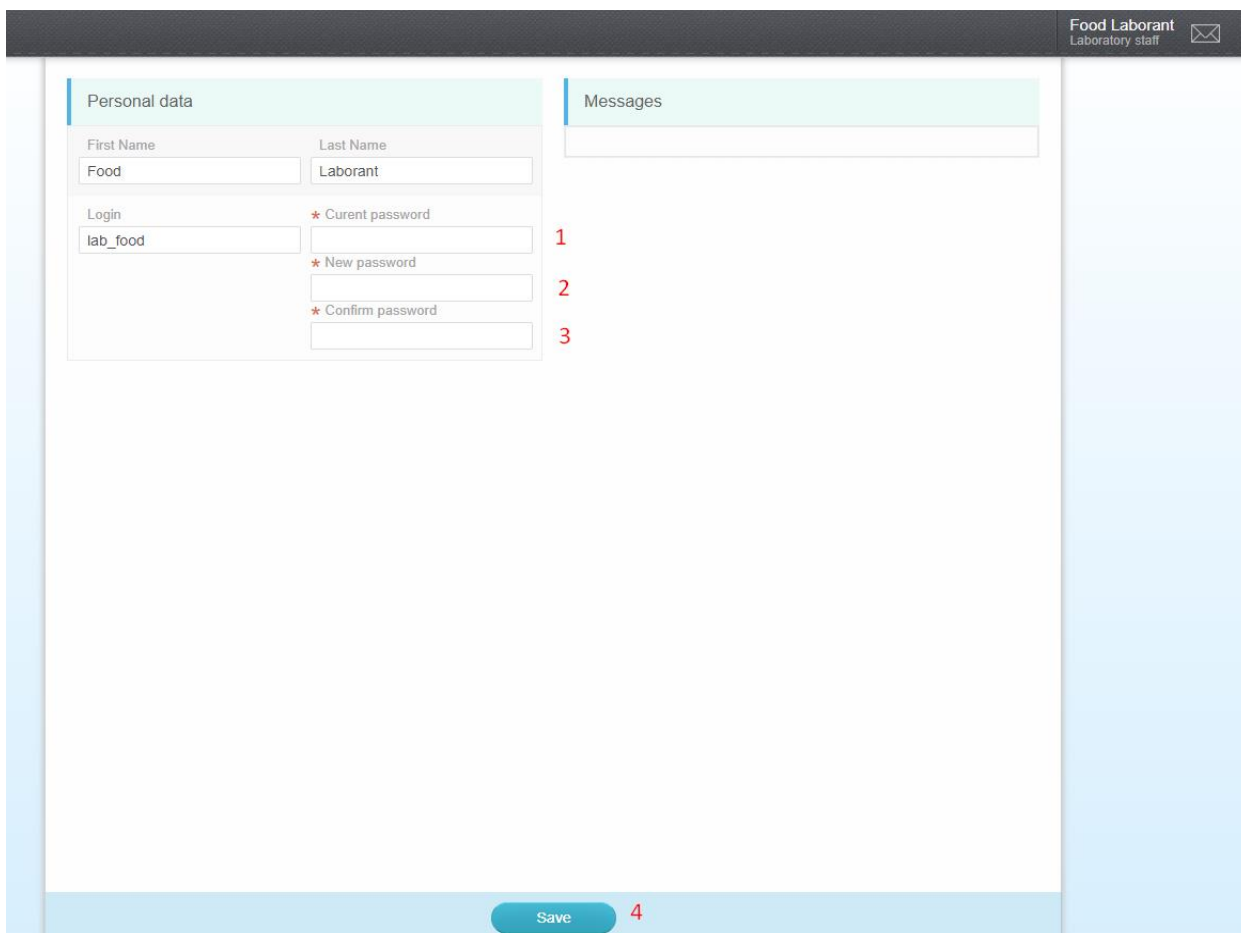


The screenshot shows the LIMS desktop interface. At the top left is the LIMS logo (1). At the top right is the user profile 'Jeton Spahiu' (2). The main area features a large yellow donut chart (3) labeled 'New(11)'. To the right is a table of 'Current requests' (4). At the bottom is a navigation bar with icons for 'Current Inventory', 'Sample Out list', 'Sample In list', 'Section page', 'Temperature list', 'Equipment Doc Register', 'Add document', 'Documents management', and 'Test Method' (5).

N	Code	Species	Disease	Animals Count	Responsible
1322	2334	Bovine	Brucellosis	24	Zeşin Malbora-Sh
140	2387	Bovine	Brucellosis	0	
139	2386	Bovine	Bovine viral diarrhea	1	
135	2337	Bovine	Brucellosis	50	
135	2332	Bovine	Brucellosis	24	Spahiu Jeton
134	2336	Bovine	Brucellosis	29	Mehmetkaj Dafin
133	2335	Sheep	Brucellosis	38	
132	2388	Bovine	Brucellosis	0	
118	2304	Bovine	Brucellosis	23	Zeşin Malbora-Sh
74	2333	Goat	Caprine arthritis encephalitis & Maedi Visna	10	
26	2330	Sheep	Brucellosis	24	Spahiu Jeton
			Enzootic abortion of ewes		
			Q fever		
			Toxoplasmosis		

1. To get to the main page of the "LIMS" system, click on the logo, which is located in the upper left corner (1).
2. By clicking on the name in the upper right corner, the user enters his personal account (2).
3. Under number (3) is a diagram that displays the number of samples in each status.
4. "Samples in progress" area - a list of all samples in progress (4).
5. Navigation (5) - this area consists of buttons that allow you to enter the pages available for this user.

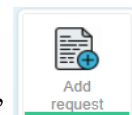
3. Personal account, password change.



In the "Personal data" area, the user has the option to change the password by doing the following:

1. Enter the current password;
2. Enter a new password;
3. Re-enter the new password (confirm the new password);
4. Click the "Save" button to save the changes.

4. Add a new request



In order to add a new request, you must click on the icon "Add request"
 A new window opens with fields that has to be completed.

Fill in the following fields:

Request

1. Request state - select the value from the list
2. Research scope - select the value from the list.

Payment

Payment

★ Payer 1

Payment state 2

Payment mode 3

Calculated sum 4

0.00

Payment date 5

24/03/2021

Time: 08 14

Payed sum 6

Payment details 7

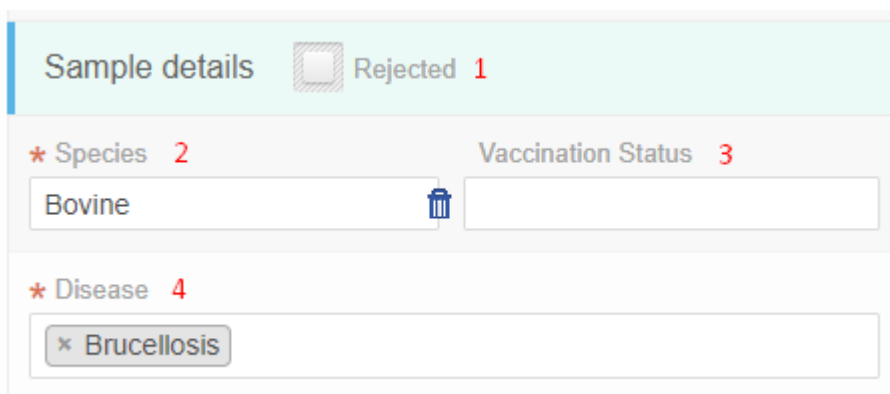
★ Payer

Requester

Budget

1. Payer – select the value from the list
2. Payment state – select the value from the list;
3. Payment mode – select the value from the list;
4. Calculated sum – enter the data;
5. Payment date, time – automatically filled in by the program;
6. Payed sum – enter value;
7. Payment details - – enter the data.

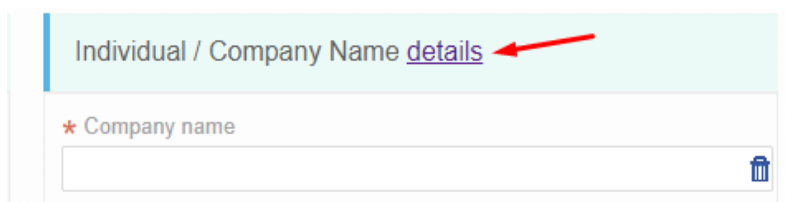
Sample details.



1. Rejected - check the box if necessary;
2. Species - enter value or select from the list;
3. Vaccination Status- enter value;
4. Disease - select the value from the list.

Individual / Company Name.

In order to open details Individual / *Company Name*, you need to click on **details**.



We check the selected box in the opened area *Individual* or *Legal Entity*.

Individual / Company Name [mbyll](#)

☐ Individual ☒ Legal Entity

1* Company name

2 Phone 3 ID

4 Municipality 5 Place

6 Street

7 Street number 8 Office

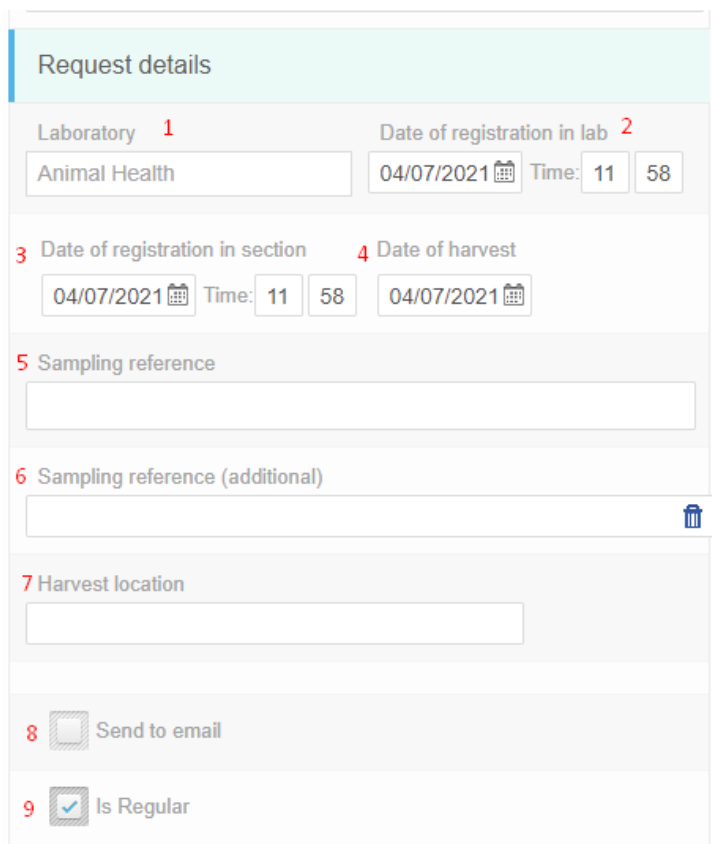
9 Fax 10 E-mail

11 Delivery responsible

Then fill in the following fields:

1. Company name
2. Phone
3. ID
4. Municipality
5. Place
6. Street
7. Street number
8. Office
9. Fax
10. E-mail
11. Delivery responsible.

Request details.



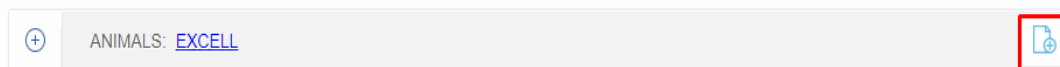
1. Laboratory - the field is filled in by the system and cannot be changed;
2. Date of registration in lab and time - the field is filled in by the system but you can choose a different date;
3. Date of registration in section and time - the field is filled in by the system but you can choose a different date;
4. Date of harvest - the field is filled in by the system but you can choose a different date;
5. Sampling reference – autocomplete field
6. Sampling reference (additional) – text field
7. Harvest location – enter the value;
8. Send to email - put a tick if you need to add email;
9. Is Regular – by default is checked, uncheck if is irregular

After all the fields are filled in, click save



An additional block appears - ANIMALS.

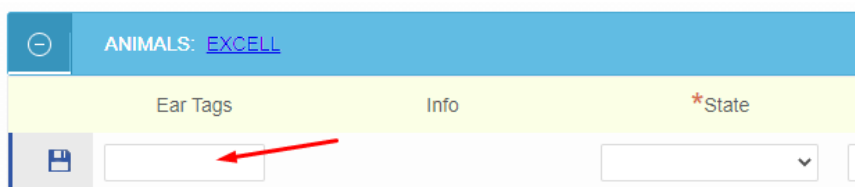
In order to add an animal, you need to click on +



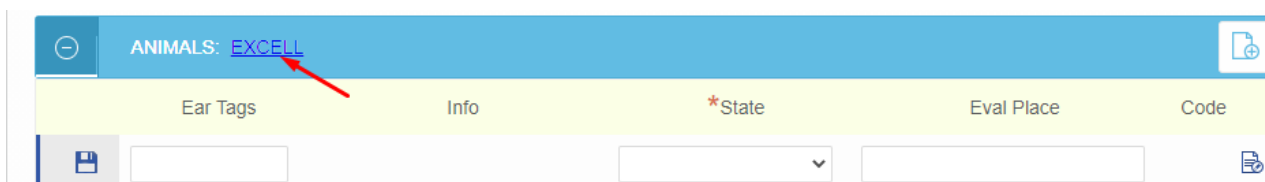
It can be filled in two ways:

1. In the expanded section, fill in the Ear Tags field with the number of the animal
 - If animal doesn't have Ear Tag type N/A

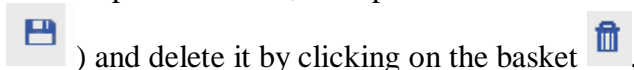
To save the animal State has to be chosen and after click on Icon -



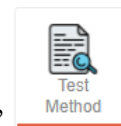
2. Click on the EXCELL button, we get the opportunity to download the file from the desktop.



In the opened section, it is possible to edit the information (after which we press the save button

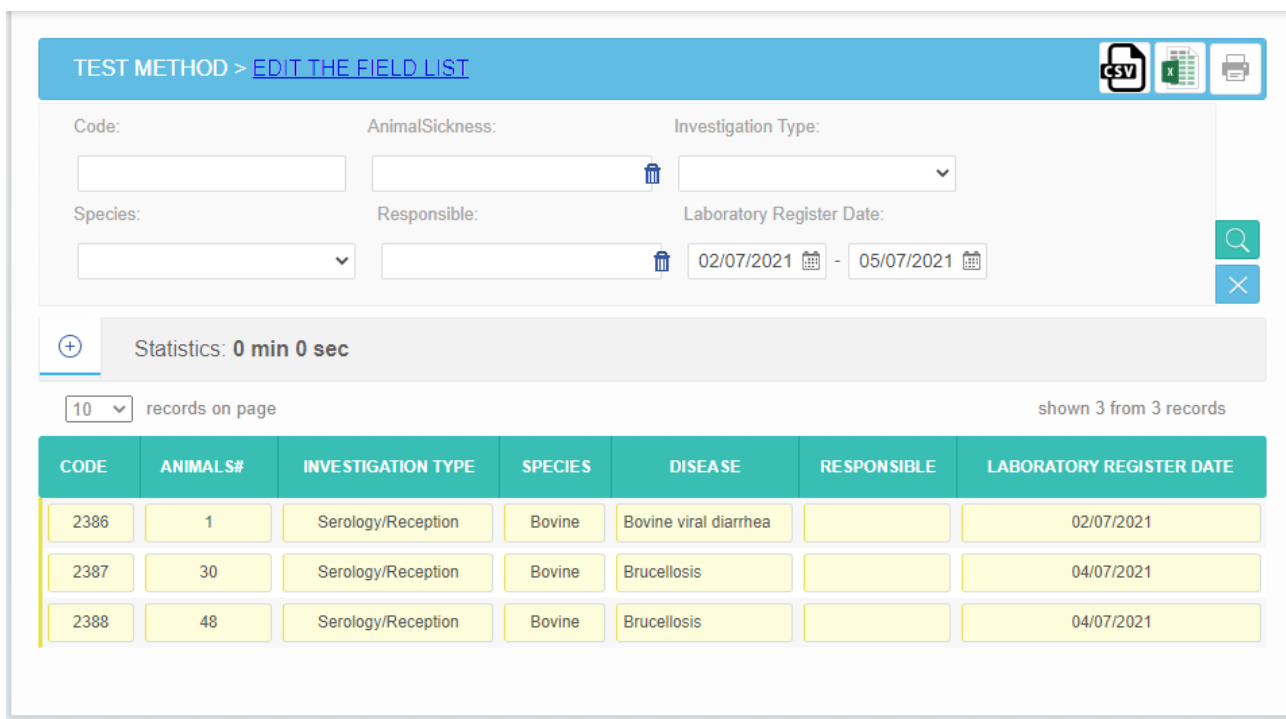


4. Introducing results.



To open the list with test methods, click on the icon “TestMethods”

A new window opens with fields that has list of requests for this department.



TEST METHOD > [EDIT THE FIELD LIST](#)

Code: AnimalSickness: Investigation Type:

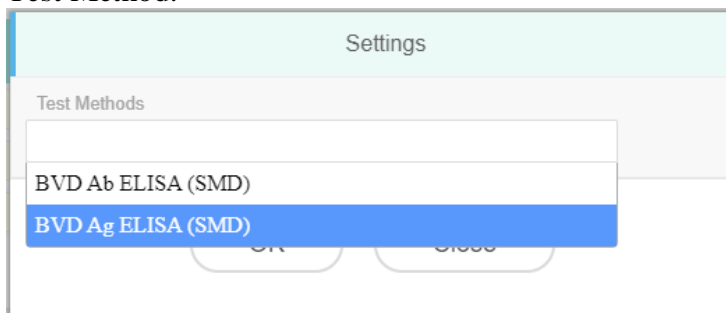
Species: Responsible: Laboratory Register Date: -

Statistics: 0 min 0 sec

10 records on page shown 3 from 3 records

CODE	ANIMALS#	INVESTIGATION TYPE	SPECIES	DISEASE	RESPONSIBLE	LABORATORY REGISTER DATE
2386	1	Serology/Reception	Bovine	Bovine viral diarrhea		02/07/2021
2387	30	Serology/Reception	Bovine	Brucellosis		04/07/2021
2388	48	Serology/Reception	Bovine	Brucellosis		04/07/2021

Select a request from the list, click on it, Popup window will open with possibility to choose Test Method.



Settings

Test Methods

- BVD Ab ELISA (SMD)
- BVD Ag ELISA (SMD)**

After click Ok a new window will open.

Sample (New)

Sample name 1

Quantity 2

Unit 3

Sample type 4

Section 5 Serology and Molecular Diagnosis

Start date 6

Date of testing completion 7

Responsible 8

Additional Info 9

Search by Animal:

#	Animal	Test Method	Analytic Method 10	Remark 11	Value 12	Result 13
1	2021/139/S/1	BVD Ab ELISA (SMD)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	2021/139/S/1	BVD Ag ELISA (SMD)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

10 records on page

shown 2 from 2 records

+

SUPLIES

+

DOCUMENTS

REJECTED OF SAMPLE


Save

Confirm




Advanced

The first section “Sample” has to be filled in.

Sample (New)

Sample name **1**  Quantity **2** Unit **3**

Sample type **4** Section **5**

Start date **6**  Date of testing completion  **7** Responsible **8** 



Additional Info **9**

1. Sample name - enter the value
2. Quantity - enter the value
3. Unit - enter the value
4. Sample type - select from drop down list the value
5. Section – by default is filled by the system
6. Start date – chose the date
7. Date of testing completion – chose the date
8. Responsible - enter the value

There are two ways to introduce the results :

I. You need to fill in the Section **Results** manually.

Search by Animal:

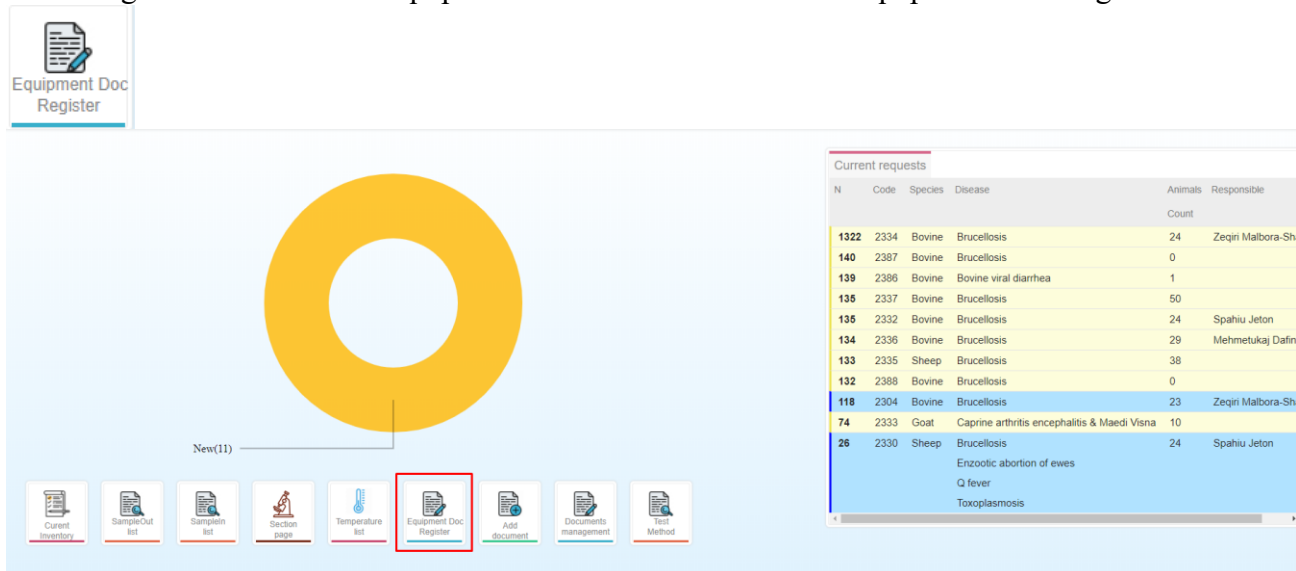
#	Animal	Test Method	Analytic Method 1	Remark 2	Value 3	Result 4
1	2021/139/S/1	BVD Ab ELISA (SMD)	<input type="text"/> 	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	2021/139/S/1	BVD Ag ELISA (SMD)	<input type="text"/> 	<input type="text"/>	<input type="text"/>	<input type="text"/>

records on page shown 2 from 2 records

1. Analytic Method – select from drop down list the value;
2. Remark - enter the value
3. Value - enter the value;
4. Result - enter the value;

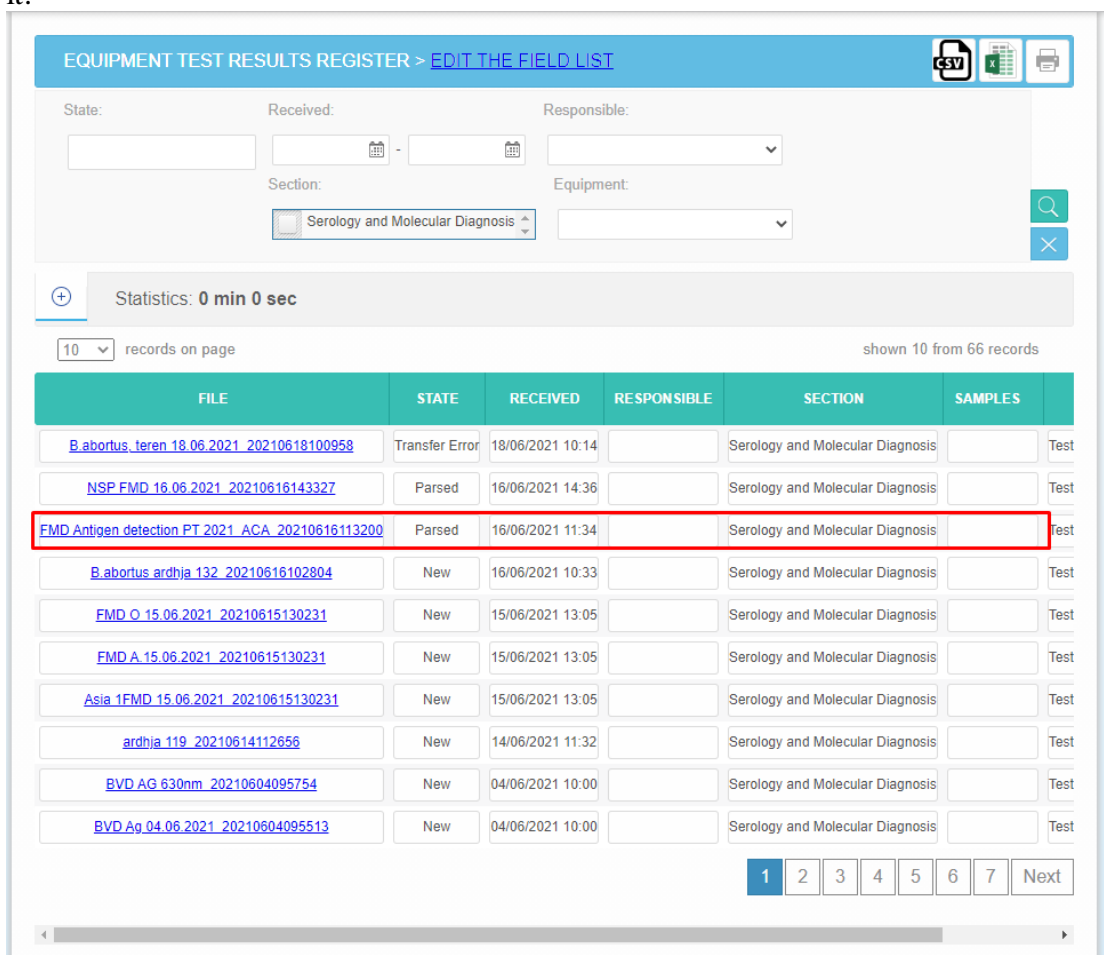
II. Results are introduced from equipment

Accessing to the results from equipment from Dashboard button “Equipment Doc Register”



N	Code	Species	Disease	Animals Count	Responsible
1322	2334	Bovine	Brucellosis	24	Zeqin Malbora-Sha
140	2387	Bovine	Brucellosis	0	
139	2386	Bovine	Bovine viral diarrhea	1	
135	2337	Bovine	Brucellosis	50	
135	2332	Bovine	Brucellosis	24	Spahiu Jeton
134	2336	Bovine	Brucellosis	29	Mehmetkaj Dafin
133	2335	Sheep	Brucellosis	38	
132	2388	Bovine	Brucellosis	0	
118	2304	Bovine	Brucellosis	23	Zeqin Malbora-Sha
74	2333	Goat	Caprine arthritis encephalitis & Maedi Visna	10	
26	2330	Sheep	Brucellosis	24	Spahiu Jeton
			Enzootic abortion of ewes		
			Q fever		
			Toxoplasmosis		

Window with all exported files from equipment will open. Choosing correct document clicking on it:



EQUIPMENT TEST RESULTS REGISTER > [EDIT THE FIELD LIST](#)

State: Received: Responsible:

Section: Equipment:

Statistics: 0 min 0 sec

10 records on page shown 10 from 66 records

FILE	STATE	RECEIVED	RESPONSIBLE	SECTION	SAMPLES	Test
B.abortus_teren_18.06.2021_20210618100958	Transfer Error	18/06/2021 10:14		Serology and Molecular Diagnosis		Test
NSP FMD 16.06.2021_20210616143327	Parsed	16/06/2021 14:36		Serology and Molecular Diagnosis		Test
FMD Antigen detection PT 2021_ACA_20210616113200	Parsed	16/06/2021 11:34		Serology and Molecular Diagnosis		Test
B.abortus_ardhja_132_20210616102804	New	16/06/2021 10:33		Serology and Molecular Diagnosis		Test
FMD O 15.06.2021_20210615130231	New	15/06/2021 13:05		Serology and Molecular Diagnosis		Test
FMD A 15.06.2021_20210615130231	New	15/06/2021 13:05		Serology and Molecular Diagnosis		Test
Asia 1FMD 15.06.2021_20210615130231	New	15/06/2021 13:05		Serology and Molecular Diagnosis		Test
ardhja_119_20210614112656	New	14/06/2021 11:32		Serology and Molecular Diagnosis		Test
BVD AG 630nm_20210604095754	New	04/06/2021 10:00		Serology and Molecular Diagnosis		Test
BVD.Ag 04.06.2021_20210604095513	New	04/06/2021 10:00		Serology and Molecular Diagnosis		Test

1 2 3 4 5 6 7 Next

Settings

Consumable 1 Brucellosis ELISA
★ Parameter 2 Brucellosis Ab ELISA

3 Formula Description: $\text{abs}(\text{Value-NegC})/\text{abs}(\text{PosC-NegC}) \times 100$
★ Formula 4 Indirect ELISA

Controls 5

Control	OD1	OD2	Average	Valid
NegC	0.0562	0.0397	0.048	valid
PosC	0.756	0.7528	0.7544	valid

Sample Data Double Check ☒

Sample	OD1	OD2	Average	S/P %	Result	
6 2021/132/S/1 7		0.7613	0.7244	0.7428	98.36	positive
2021/132/S/2		0.091	0.1613	0.1261	11.06	negative
2021/132/S/3		0.5645	0.5773	0.5709	74.02	negative
2021/132/S/4		0.3527	0.3578	0.3552	43.49	negative
2021/132/S/5		0.1001	0.1171	0.1086	8.58	negative
2021/132/S/6		0.6809	0.6278	0.6544	85.84	positive
2021/132/S/7		0.0767	0.0645	0.0706	3.2	negative
2021/132/S/8		0.1034	0.1103	0.1068	8.32	negative

Save
Back

1. Consumable – selected from dropdown
2. Parameter - selected from dropdown
3. Formula Description – set by default by the system (set from control panel)
4. Formula - selected from dropdown
5. Controls section – calculated automatically
6. Sample – fields filled manually
7. Order Numbering of samples

Results are filled automatically from the file exported from equipment.
 After clicking on Save all results are gone to the appropriate Sample page:

Search by Animal:

#	Animal	Test Method	Analytic Method	Remark	Value	Result
1	2021/132/S/1	Brucellosis Ab ELISA	<input type="text"/>	<input type="text"/>	98.36	Positive
2	2021/132/S/2	Brucellosis Ab ELISA	<input type="text"/>	<input type="text"/>	11.06	Negative
3	2021/132/S/3	Brucellosis Ab ELISA	<input type="text"/>	<input type="text"/>	74.02	Negative
4	2021/132/S/4	Brucellosis Ab ELISA	<input type="text"/>	<input type="text"/>	43.49	Negative
5	2021/132/S/5	Brucellosis Ab ELISA	<input type="text"/>	<input type="text"/>	8.58	Negative
6	2021/132/S/6	Brucellosis Ab ELISA	<input type="text"/>	<input type="text"/>	85.84	Positive
7	2021/132/S/7	Brucellosis Ab ELISA	<input type="text"/>	<input type="text"/>	3.2	Negative
8	2021/132/S/8	Brucellosis Ab ELISA	<input type="text"/>	<input type="text"/>	8.32	Negative
9	2021/132/S/9	Brucellosis Ab ELISA	<input type="text"/>	<input type="text"/>	56.77	Negative
10	2021/132/S/10	Brucellosis Ab ELISA	<input type="text"/>	<input type="text"/>	13.43	Negative

10 records on page shown 10 from 24 records 1 2 3 Next

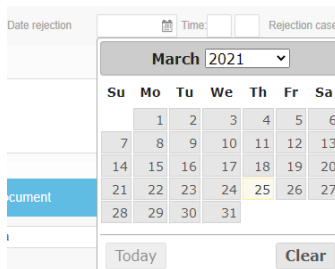
If Sample is rejected, fill in this block *Sample reject*.

Sample reject

1 ☐ Rejected 2 Date rejection 3 Time: Rejection case

Rejection information 4

1. Rejected - put a tick;



Form for rejection information. It includes fields for 'Date rejection', 'Time', and 'Rejection case'. Below these is a calendar for March 2021. The calendar shows dates from 1 to 31. The date 25 is highlighted. Below the calendar are 'Today' and 'Clear' buttons.

2. Data rejection and time -
3. Rejection case - select the value from the list;
4. Rejection information - add information.

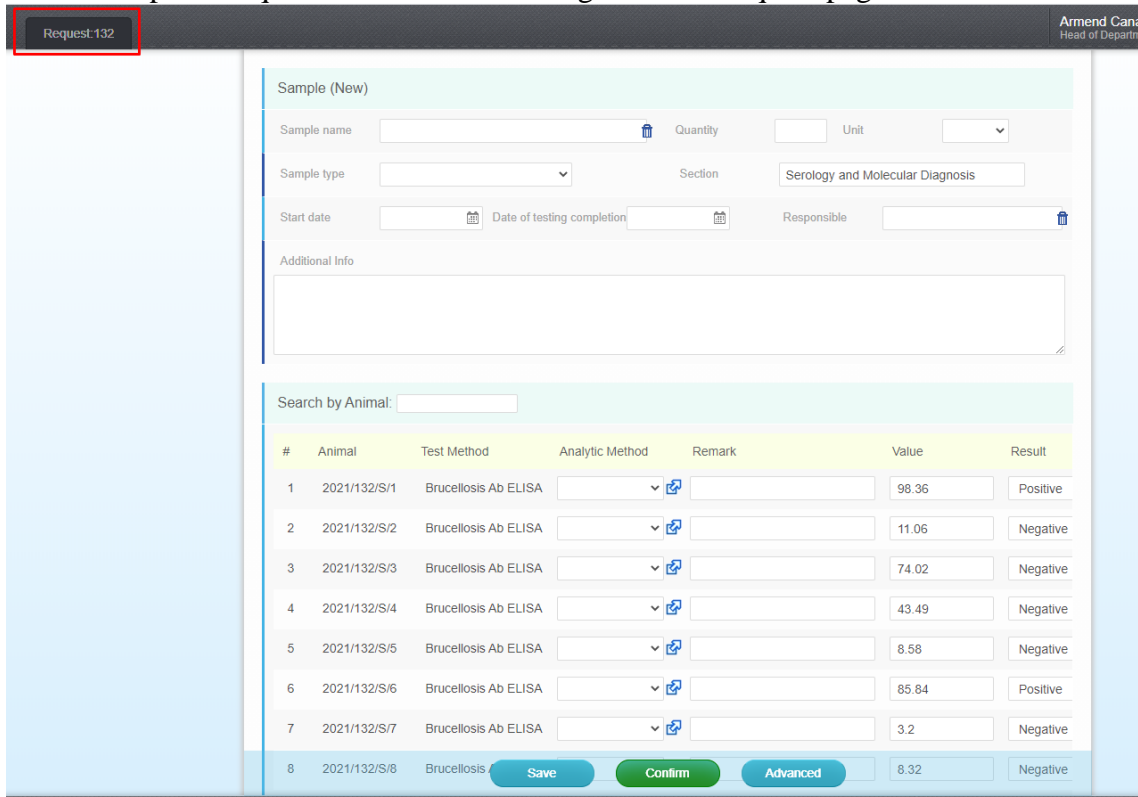
After all the fields are filled in, click save



After checking if all results are correct with appropriate sample number click on “Confirm” button



In order to print Request Results we have to go back on request page

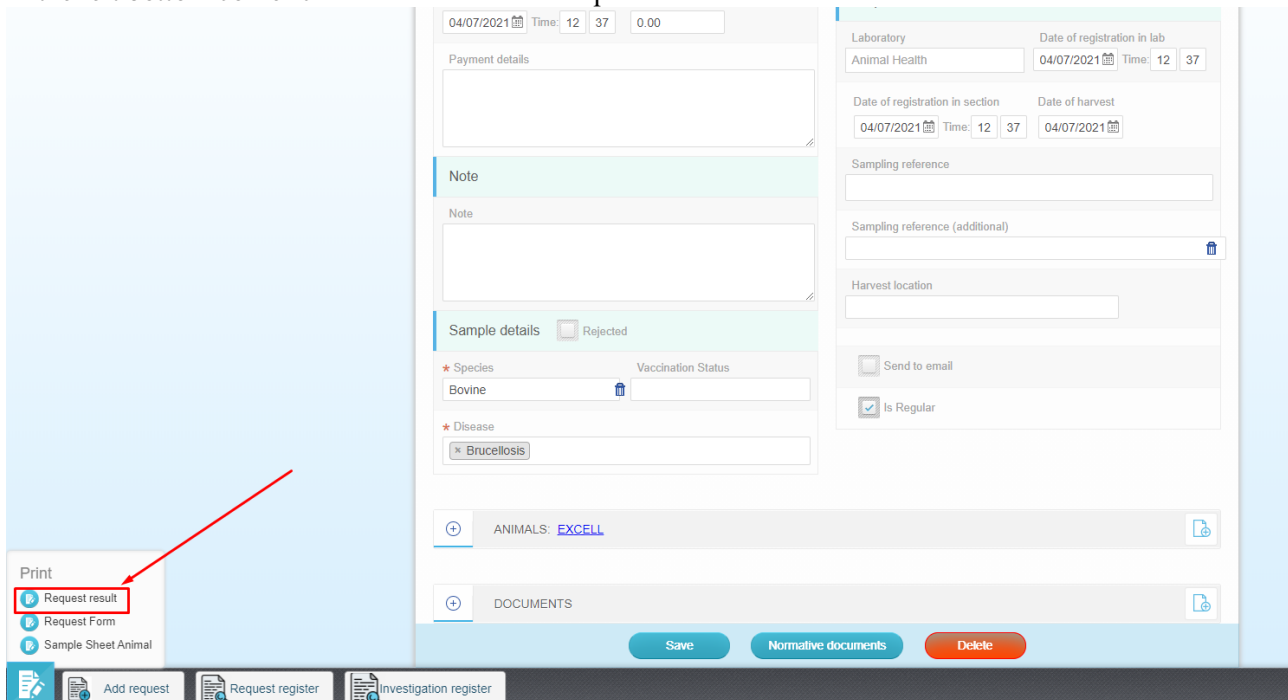


Request Results page. The page has a header with 'Request 132' and 'Armend Cana Head of Department'. The main content area is divided into two sections. The top section is for 'Sample (New)' and contains fields for 'Sample name', 'Quantity', 'Unit', 'Sample type', 'Section', 'Start date', 'Date of testing completion', 'Responsible', and 'Additional Info'. The bottom section is for 'Search by Animal' and contains a table with 8 rows of results. The table has columns for '#', 'Animal', 'Test Method', 'Analytic Method', 'Remark', 'Value', and 'Result'. The results are as follows:

#	Animal	Test Method	Analytic Method	Remark	Value	Result
1	2021/132/S/1	Brucellosis Ab ELISA			98.36	Positive
2	2021/132/S/2	Brucellosis Ab ELISA			11.06	Negative
3	2021/132/S/3	Brucellosis Ab ELISA			74.02	Negative
4	2021/132/S/4	Brucellosis Ab ELISA			43.49	Negative
5	2021/132/S/5	Brucellosis Ab ELISA			8.58	Negative
6	2021/132/S/6	Brucellosis Ab ELISA			85.84	Positive
7	2021/132/S/7	Brucellosis Ab ELISA			3.2	Negative
8	2021/132/S/8	Brucellosis			8.32	Negative

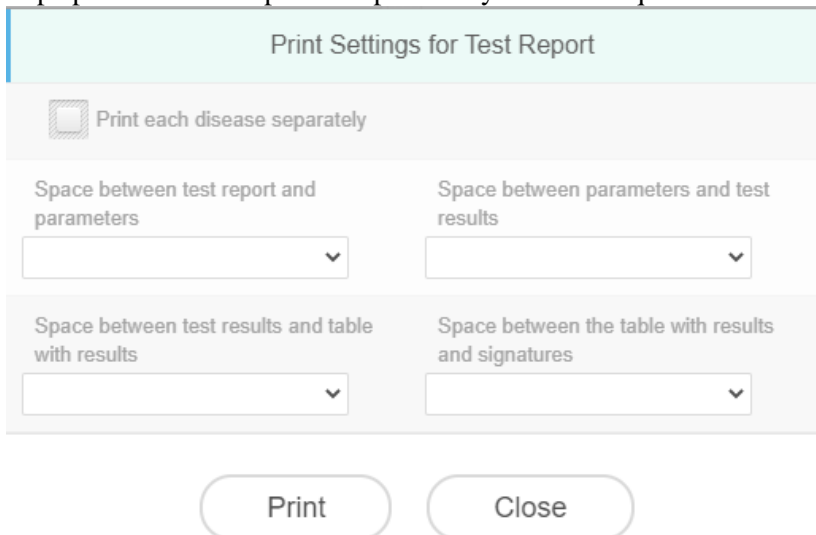
At the bottom of the table are buttons for 'Save', 'Confirm', and 'Advanced'.

In the left bottom corner choose and click on “Request result”



The screenshot shows the Galex Studio interface. In the bottom left corner, a 'Print' menu is open, and the 'Request result' option is highlighted with a red box and a red arrow. The main form displays various fields for a request, including 'Payment details', 'Note', 'Sample details' (with 'Species' set to 'Bovine' and 'Disease' set to 'Brucellosis'), and 'Laboratory' information. The bottom navigation bar includes 'Add request', 'Request register', and 'Investigation register'.

PopUp window will open with possibility to Print Request Result



The screenshot shows the 'Print Settings for Test Report' popup window. It contains several settings: 'Print each disease separately' (unchecked), 'Space between test report and parameters' (dropdown), 'Space between parameters and test results' (dropdown), 'Space between test results and table with results' (dropdown), and 'Space between the table with results and signatures' (dropdown). At the bottom, there are 'Print' and 'Close' buttons.

 Agjencia e Ushqimit dhe Veterinarizimit Agjencia za Hranu i Veterinaristvo Food and Veterinary Agency FSC 7.8.1 Ver. 1.0	Adresa: Zona Industriale P.N., 10000 Prishtinë Republika e Kosovës/Republika Kosova/Republic of Kosovo Web: www.auv-ks.net Tel: 038 551 055 Faqe 1 nga 1	
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RAPORT TESTIMI/TESTIRANJE IZVEŠTAJ/TESTING REPORT

Numri Serik: 132

Serijski broj/ Serial number

Emri dhe adresa e klientit: Andrej Osadci

Ime i prezime klijenta/ Name and surname of Client

Referenca e planit të marrjes së mostrave: Field

Referenca plana uzorkovanja/Reference of sampling plan

Data e pranimit të mostrës(ave): 04.07.2021

Datum prijema uzorka/Date of sample reception

Mostra e sjellur nga:

Uzorak donet od strane /Sample delivered by

Materiali që testohet:

Testirani material /Sample tested

Data e kryerjes së testimit:

Datum izvršenja testiranja/Date of test completion

Përshkrimi i mostrës: E rregullt/Redovan/Regular ☒ Jo e rregullt/Nepravilan/Irregular ☐

Opis uzorka/Sample description

Nr. Kërkesës:

Parametri: Brucellosis

OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals 2019

Rezultatet e testimit / Rezultat testova / Test results

Nr	Nr. matrikulimit: Br. ushe markice : Identification nr:	Brucellosis		Vërejtje: Napomena: Remarks:
1	CZ000371368952	52.18	Negative	
2	CZ000371356952	112.75	Positive	
3	11308644	11.06	Negative	
4	CZ000451433953	79.15	Negative	
5	CZ000371359952	51.36	Negative	
6	11308646	98.36	Positive	
7	CZ000371364952	23.81	Negative	
8	11481073	85.84	Positive	
9	CZ000451395953	101.53	Positive	
10	11480896	74.02	Negative	
11	11480956	43.49	Negative	
12	11480960	8.58	Negative	
13	11491593	3.2	Negative	
14	11588815	8.32	Negative	
15	11637056	56.77	Negative	
16	11637057	13.43	Negative	
17	11637059	14.1	Negative	
18	11637099	29.05	Negative	
19	11637100	12.26	Negative	
20	11674510	63.76	Negative	
21	CZ000371365952	20.72	Negative	
22	CZ000396682952	97.45	Positive	



Galex Studio S.R.L.
IDNO 1015600012774
Moldova, Chisinau, str. Bernardazzi 68A