

# Antibiotics database

### **Functional overview for livestock owners**

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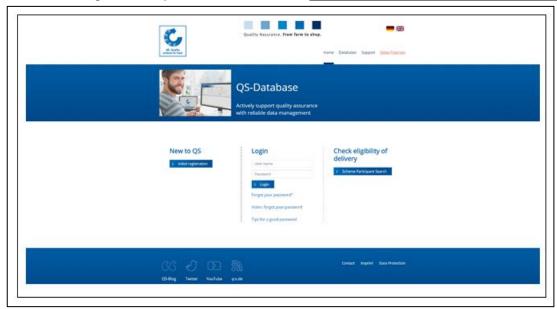


# 1 First steps

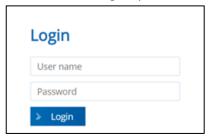
This supporting document provides information about the antibiotics database. It is supposed to help livestock owners to use the database.

### 1.1 Logging in to the antibiotics database

You can login to the QS database via the link <a href="https://www.q-s.de/softwareplattform/">https://www.q-s.de/softwareplattform/</a>.



- At the first login to the QS database you need an initial password with 16 digits, the so called "Logintoken". This will be provided to you by your coordinator. After your first login you will be asked to assign your own password.
- For further logins please use your username (QS-ID) and the password you have chosen.



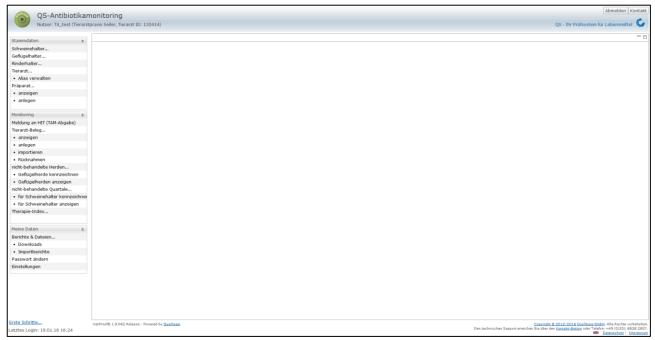
#### 1.2 Home screen

• You will see this screen directly after logging in:





• Click on "Antibiotikamonitoring" to get to the antibiotics database. The following window will open:



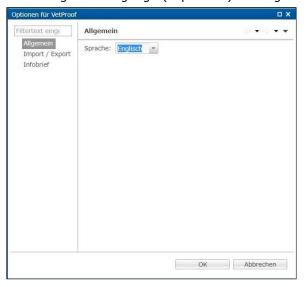
- Attention! If you are not forwarded directly to the antibiotics database or requested to re-enter your access data, please check your browser settings.
  - Make sure that cookies are enabled and clear your browser cache.
- In the antibiotics database, you can access the desired function via the menu on the left side within the corresponding category (Master data, Monitoring and My profile).

#### 1.3 Change language

• The menu item "Einstellungen" (Settings) within the category "Meine Daten" (My profile) offers the possibility to define preferred configurations.

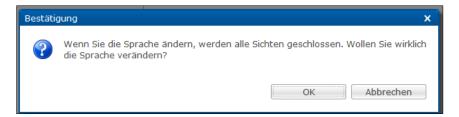


• Change the language ("Sprache") to "Englisch" and confirm your entry with \_\_\_\_\_\_\_.





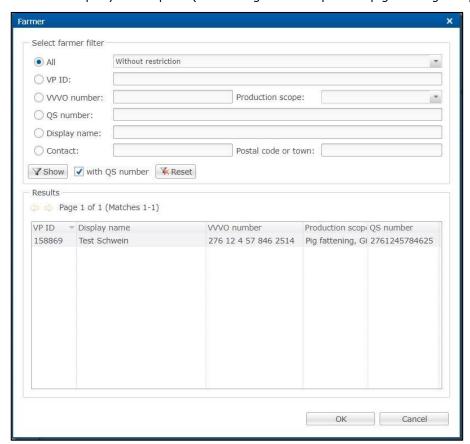
- Otherwise, you can click on in the lower right corner of the window.
- $\bullet$  In both cases, you will be informed that changing the language will close all open views. Please confirm this with  $$_{\rm OK}$$



### 2 Master data

#### 2.1 Authorize coordinator

- The function "Authorize coordinator" gives you the possibility to unlock all details of your veterinary drug records for your coordinator. Otherwise, your coordinator will only see the delivery date, the identity of the treated animal group, the number of animals treated and if the antibiotics are critical.
- **Attention:** Please only authorize your coordinator to view all information from the drug records if you have agreed this with your veterinary in advance. By authorizing the coordinator, you declare that your veterinarian approves the activation of the coordinator. Your veterinarian can see in the veterinary records that you have authorized the coordinator to view the complete record.
- To create an authorization, click New... in the upper right corner of the screen.
- The company filter opens (here using the example of a pig farming company):

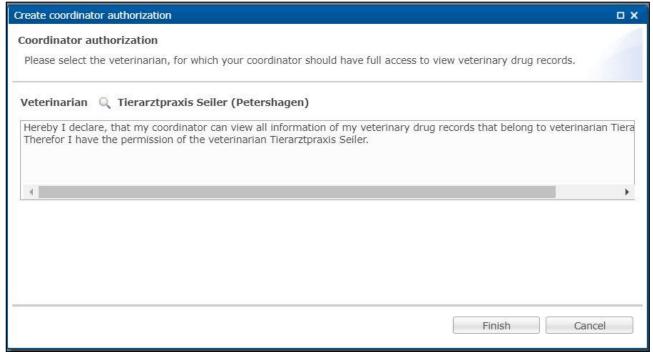


• Select the desired livestock owner directly from the list of hits by double-clicking or search for him entering the VVVO number or the name, click on double-clicking.

The select the livestock owner by double-clicking.



- If a company has several VVVO numbers, they can all be created under one QS ID if they all belong to the same legal representative. It is therefore necessary to select the correct company or VVVO number for all functions.
- In the following window you have to select the veterinary practice for which you want to authorize the coordinator. Again, select the desired practice directly from the list of hits by double-clicking it or search for it by entering its name. Then click on



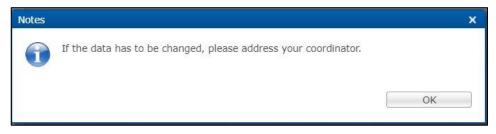
The authorization has been created:



• If you want to withdraw an authorization, select the authorization (highlighted in blue) and choose \*\* Cancellation\* . Confirm the operation with ok . You can see the successful implementation in the right column "Cancelled since".

#### 2.2 Show farmer

- Click on "Show pig farmer", "Show cattle farmer" or "Show poultry farmer" in the menu. The company filter opens.
- Select the livestock owner directly from the list of hits by double-clicking or search for him entering
  the VVVO number or the name, click on
  clicking.
- You receive an overview of the details and QS contract data stored for the selected company (e.g. production sites, coordinators, veterinarians) as well as the following information:





• The following functions are available:



Shows the reporting authorizations for the transfer of animal movements (for poultry only) and confirmations of periods without antibiotic treatment to the federal HIT veterinary drug database (HIT-TAM).

- Attention! The HIT-TAM database is the federal antibiotics database in Germany. A report to the HIT-TAM database is therefore only possible and obligatory for German companies.



Forwards you to the production sites and deposited herds of the selected company.

Download...

You will receive a table of the production sites stored for the selected company. Further details can be found in *chapter 2.3 Production sites*.



Create a confirmation of periods without antibiotic treatment for your cattle or pig farming company. The confirmation of periods without antibiotic treatment is described separately in *chapter 3.3 Confirmation of herds/periods without antibiotic treatment*.

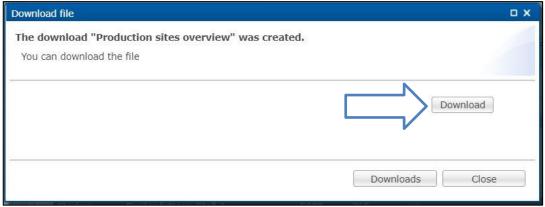
Further editing options (poultry)



Register losses for herds. Further details can be found in *chapter 2.8 Livestock* (poultry).

#### 2.3 Production sites

- Click on "Production sites" to display these. The company filter opens.
- Select the livestock owner directly from the list of hits by double-clicking or search for him entering the VVVO number or the name, click on clicking.
- Via Download... you can download an overview of the production sites stored for the company. You can use "Restriction" to display current, archived or all production sites. You can also select Excel or csv as the file format. Confirm your selection with
- The file is created. Choose Download in the following window to display or save the file.



#### 2.3.1 Maintenance of herd data

- The registration of production sites and the maintenance of herd data is obligatory for poultry farming companies.
  - Attention! As a poultry farmer, please clarify with your coordinator and/or your
    marketers/conglomerations who is responsible for updating the herd data. The input of herd data
    is necessary for the maintenance of the eligibility of delivery in the QS scheme.

#### Creating a new herd

• To create a new herd, select the production site (highlighted in blue) where you want to store herd data by clicking on it.



Select the function mean in the selected production site. The following window opens:

Creating a herd - Stall 1 (27	5 00 1 00 010 0101)	02/02/02/02		i - es-han awaan Sasari	SW <sub>20</sub> - Man - Georgia Sharib	ОΧ
Herd Fields marked with "*" are	mandatory fields.					
Herd identification*:				Production*:	Broilers	v
Housing in	Date*: 03/02/ Origin: Race:	2020	Number of animals*: Hatching date:			
housing out	Nace.		Completely reduced			
housing out						
housing out						
Add further removal						
				 Finis	h C	Cancel

- Complete the required data (the fields marked with \* are mandatory). By clicking on you can also enter exit data.
- Terminate your entry with

#### Editing a herd, for example storing of exit data

- If you want to edit a herd that has already been created, e.g. store further exit data, select the herd concerned by clicking on it (highlighted in blue) and then choose function shown above opens.
- You can edit the number of animals housed in as well as add exit data by clicking on **housing out**. To record an exit, please enter the exit date and number of animals. If a herd has been completely reduced, please mark the checkbox "completely reduced".
- Function enables you to enter losses on a daily basis.

Finish

Confirm your entries with

### Further editing options in the "Production site" window

• Select the production site (highlighted in blue) and the herd you want to work with by clicking on it.

<b>X</b> Delete	Delete a herd.
Download	Download a herd.
Create loss	Register losses for herds (only for poultry). Further details can be found in <i>chapter 2.8 Livestock (poultry).</i>
Rehousing	Move the herd to another stable.
Not-therapied	Register confirmation of herds without antibiotic treatment (only for poultry). Further details can be found in <i>chapter 3.3 Confirmation of herds/periods without antibiotic treatment.</i>

# 2.4 Export of production (cattle, pig) or export production sites and export herds (poultry)

#### **Export of production (cattle, pig)**

• If you would like to export the number of animal places of a company, you will first be asked to select the file format. A file in Excel format and a file in csv format are available. In the csv format you have further setting options. Confirm your entries with

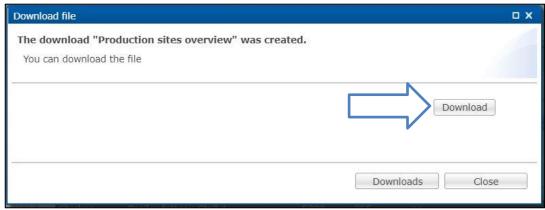


 The generated table shows you the animal places of your company by single animal production type for the current quarter and the three previous quarters.

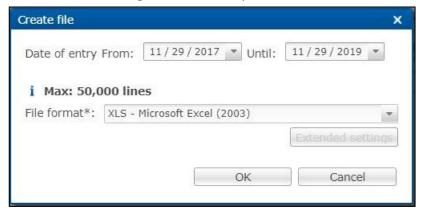
Animal owner	VVVO Number	Single animal production type	Occupancy of quarter	IV/2019	III/2019	II/2019	1/2019
Test Schwein	276124578462514	2001	Fattening places	1500	1500	1500	1500
Test Schwein	276124578462514	2002	Young sow / boar places	50	50	50	50
Test Schwein	276124578462514	2004	Sow places	100	100	100	100
Test Schwein	276124578462514	2008	Piglet rearing places	2000	2000	2000	2000
Schweinestandort	276123451111111	2001	Fattening places	500	500	500	500
dfdf	2760000000000000	2001	Fattening places				
Kalb und Schwein	2760000000000010	2008	Piglet rearing places	743	892	892	745
	Test Schwein Test Schwein Test Schwein Test Schwein Schweinestandort dfdf	Test Schwein         276124578462514           Test Schwein         276124578462514           Test Schwein         276124578462514           Test Schwein         276124578462514           Schweinestandort         276123451111111           dff         27600000000000000	Test Schwein         276124578462514         2001           Test Schwein         276124578462514         2002           Test Schwein         276124578462514         2004           Test Schwein         276124578462514         2008           Schweinestandort         276123451111111         2001           dfdf         276000000000000         2001	Test Schwein         276124578462514         2001         Fattening places           Test Schwein         276124578462514         2002         Young sow / boar places           Test Schwein         276124578462514         2004         Sow places           Test Schwein         276124578462514         2008         Piglet rearing places           Schweinestandort         276123451111111         2001         Fattening places           dfdf         276000000000000         2001         Fattening places	Test Schwein         276124578462514         2001         Fattening places         1500           Test Schwein         276124578462514         2002         Young sow / boar places         50           Test Schwein         276124578462514         2004         Sow places         100           Test Schwein         276124578462514         2008         Piglet rearing places         2000           Schweinestandort         276123451111111         2001         Fattening places         500           dfdf         276000000000000         2001         Fattening places	Test Schwein         276124578462514         2001         Fattening places         1500         1500           Test Schwein         276124578462514         2002         Young sow / boar places         50         50           Test Schwein         276124578462514         2004         Sow places         100         100           Test Schwein         276124578462514         2008         Piglet rearing places         2000         2000           Schweinestandort         276123451111111         2001         Fattening places         500         500           dfdf         2760000000000000         2001         Fattening places         500         500	Test Schwein         276124578462514         2001         Fattening places         1500         1500         1500           Test Schwein         276124578462514         2002         Young sow / boar places         50         50         50           Test Schwein         276124578462514         2004         Sow places         100         100         100           Test Schwein         276124578462514         2008         Piglet rearing places         2000         2000         2000           Schweinestandort         276123451111111         2001         Fattening places         500         500           dfdf         2760000000000000         2001         Fattening places         500         500

### **Export production sites and export herds (poultry)**

- Via "Export production site", you can download an overview of your production sites. You can use "Restriction" to display current, archived or all production sites. You can also select Excel or csv as the file format. Confirm your selection with
- The file is created. Choose Download in the following window to display or save the file.



• You can likewise proceed with the function "Export herds". Here you have the possibility to filter your herd data with regard to a certain period of time.



### 2.5 Single and bulk info letter

#### Single info letter

• The function "Single info letter" allows you to create an info letter for a specific location. The following window opens:

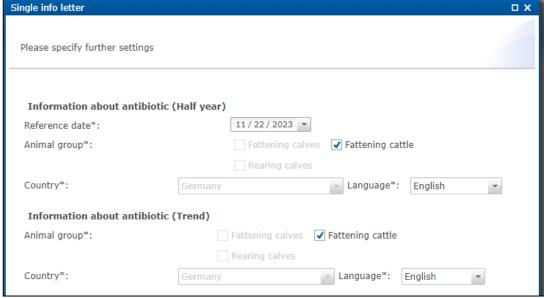




- Select a livestock owner using the magnifying glass
   . The company filter opens.
- Select the location directly from the list of hits by double-clicking or search for him entering the VVVO number or the name, click on and then select the location by double-clicking. The location is now saved behind the magnifying glass.
- Confirm your selection with Next > ...
- You can select the desired contents in the following window:

Single info letter				
Please specify the content				
Cover letter				
☐ Information about monitoring				
☐ Information about antibiotic (Half year)				
✓ Information about antibiotic (Trend)				
Bulletin for calculation of therapy index				

- Set the appropriate ticks here. As poultry farmer, you can also select the "Report on animal health (quarterly information)" in this window (contains analyses from diagnostic data monitoring).
- Confirm your selection with
- Depending on your selection, you can make further fine adjustments in the following window:



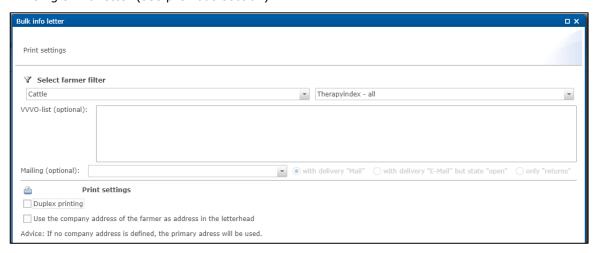
• Confirm your selection with window, select Download to display or save the info letter.





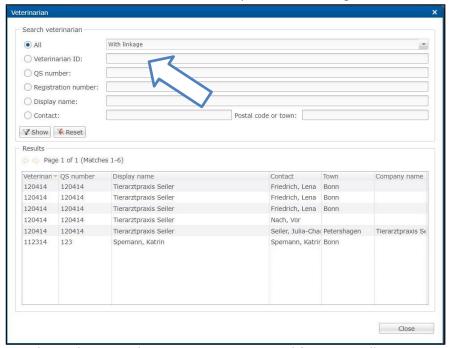
#### **Bulk info letter**

- You can also create the info letters as bulk info letters for all locations of your company. Optionally, you can enter a list of VVVO numbers.
- Select the production scope and the print settings. All further steps are the same as for creating a single info letter (see previous section).



#### 2.6 Show veterinarian

• The function "Show veterinarian" opens the following filter:



 $\hbox{$\bullet$ } \hbox{$C$hoose between the veterinarians activated for you or all veterinarians registered in the QS system. } \\ \hbox{$C$onfirm your search with } \hbox{$$\searrow$Show} \ .$ 

#### 2.7 Critical antibiotics

- Click on "Drug Critical antibiotics" to display a list of drugs with critical active agents.
- Use the arrow to navigate through the pages.

#### 2.8 Livestock (poultry)

#### **Show**

• The menu item "Show livestock" gives you an overview of which animal movements were sent to the federal HIT-TAM database and whether these could be successfully created in HIT or which HIT comment is available. The transfer of livestock data takes place to the reporting dates 14 January and



14 July. You can display a complete overview or filter by livestock owner (company number, BNR15), type of use, entrances/exits or HIT remarks.

- **Attention!** The HIT-TAM database is the federal antibiotics database in Germany. A report to the HIT-TAM database is therefore only possible and obligatory for German companies.

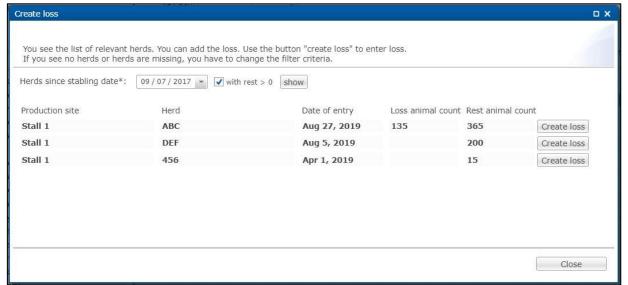
#### Loss

#### Show

- To display the losses for a livestock owner, select the owner using the magnifying glass.
   The company filter opens.
- Select the livestock owner directly from the list of hits by double-clicking or search for him entering
  the VVVO number or the name, click on
  clicking.
- The livestock owner is now deposited behind the magnifying glass. You have the possibility to limit production sites or the date. Then select  $\gamma_{Show}$ .

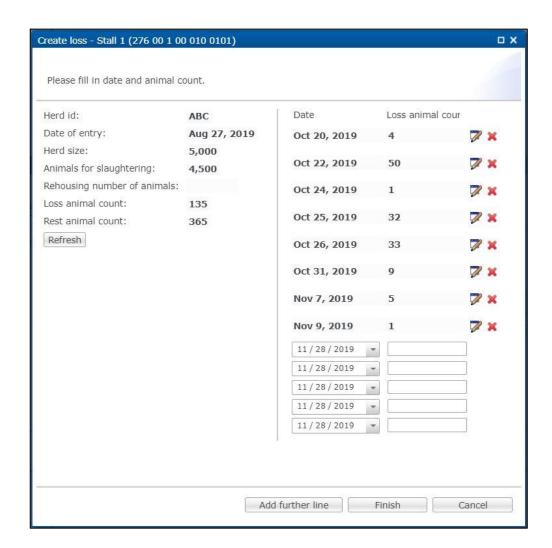
#### Register

- If you want to enter losses, select the button New....
- The company filter opens. After selecting the company, the following window appears:



The window displays all herds of the company. Via "Herds since stabling date" you can change the period. You can also only list herds with a remaining number of animals > 0. Then click on Show . By clicking on of the desired herd, the following window appears:





You now have an overview of the animal numbers of the herd and can enter or edit losses. Then click
 on Finish

Further editing options

• Further functions after selecting an existing loss (highlighted in blue) are available:

Edit the selected loss. Date and number of animals can be edited.

Delete the selected loss.

# 3 Monitoring

#### 3.1 Transfer to HIT (TAM)

- The menu item "Transfer to HIT (TAM)" gives you an overview of the data relevant for HIT from the veterinary drug records in the antibiotics database.
  - **Attention!** The HIT-TAM database is the federal antibiotics database in Germany. A report to the HIT-TAM database is therefore only possible and obligatory for German companies.
- The following filter options are available:
  - Select livestock owner: Click on the magnifying glass behind the livestock owner to open the company filter. Select the livestock owner directly from the list of hits by double-clicking or search for him entering the VVVO number or the name, click on livestock owner by double-clicking.



- Further filter options: Date, document number, animal branch, etc.

veterinary drug record.

- Click on Show to display your selection. The Download function provides you with the veterinary drug records as Excel or csv file.
- Further functions are:

Shows how the selected record was received at HIT (only possible for successfully transferred records).

Opens the HIT protocol with information about the transfer of the selected

#### 3.2 Show veterinary drug record

Click on "Show" in the "Veterinary drug record" menu. The "Veterinary drug records" window opens:



 The filter options correspond to those described in chapter 3.1 Transfer to HIT (TAM). You also have access to all functions described there (see above).

#### **Returns**

- The menu item "Returns" shows you any return amounts for veterinary drug records stored in the antibiotics database.
- The following filter options exist:
  - Select livestock owner: Click on the magnifying glass
     behind the livestock owner to open
     the company filter. Select the livestock owner directly from the list of hits by double-clicking or
     search for him entering the VVVO number or the name, click on
     livestock owner by double-clicking.
  - Select a veterinarian: Click on the magnifying glass
     behind the veterinarian, the window
     "Veterinarian" opens. Here you can also select the veterinarian directly from the list of hits by double-clicking or enter the veterinarian ID or the name in the search field, click on and select the veterinarian by double-clicking.
  - You can also filter by date or by a specific document number.
- Click on Show to display your selection.

#### 3.3 Confirmation of herds/periods without antibiotic treatment

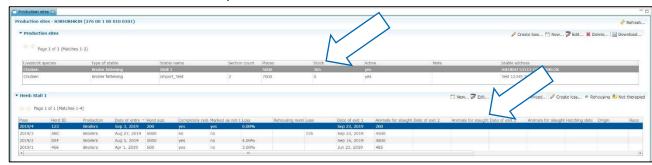
#### Confirmation of herds without antibiotic treatment (poultry)

- Click on "Denote poultry herds" in the menu "Herds without AB therapy". The company filter opens.
- Select the livestock owner directly from the list of hits by double-clicking or search for him entering the VVVO number or the name, click on clicking.

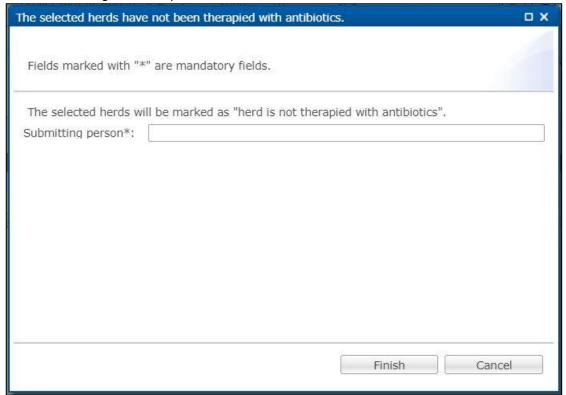
  and then select the livestock owner by double-clicking.



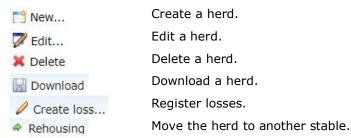
The window "Production sites" opens:



- Click on the desired production site. The herds that have been stabled there are now listed.
  - Alternatively, you can display the production sites via the menu item "Show poultry farmer" in the "Master data" section and the function Herds .
- Select the desired herd and click the button Not-therapied
- The following window opens:



- Enter your name and confirm your entry with Finish .
  Further editing options in the "Production sites" window (see also *chapter 2.3 Production sites*):

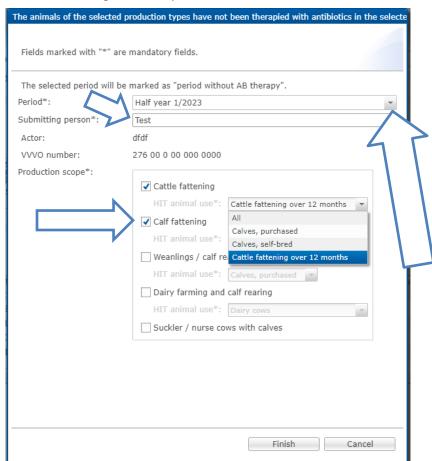


Via the menu item "Show poultry herds" you can view stored confirmations of herds without antibiotic treatment. You can edit or delete confirmations that you as coordinator have entered.



# Confirmation of periods without antibiotic treatment (cattle, pigs, optional for poultry) Denote for cattle, pig, or poultry farms

- For cattle and pig owners, confirmations of periods without antibiotic treatment are submitted on a half-yearly basis. In order to generate confirmations that can be forwarded to the HIT-TAM database at the request of the livestock owner, poultry owners can also voluntarily submit a confirmation per half-year in addition to the confirmation per flock. However, only the confirmation per flock is required for OS antibiotics monitoring.
  - Attention! The HIT-TAM database is the federal antibiotics database in Germany. A report to the HIT-TAM database is therefore only possible and obligatory for German companies.
- In the menu, click on "Periods without AB therapy" and then "Denote for pig, cattle, or poultry farms", respectively (here a cattle farming company as example). The company filter opens.
- Select the livestock owner directly from the list of hits by double-clicking or search for him entering the VVVO number or the name, click on clicking.
- The following window opens:



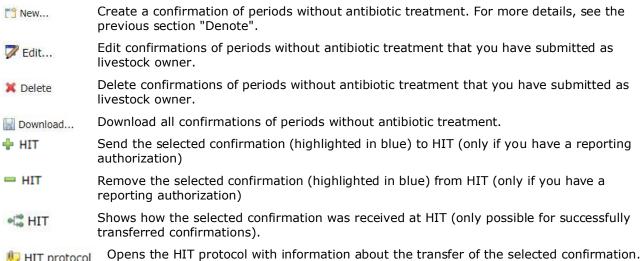
**Mandatory fields** (marked with \*) for the confirmation of periods without antibiotic treatment are:

- Period: Select the respective semester
- Submitting person: Enter the name
- Production scope: Select the production scope that has not been therapied with antibiotics, additionally select the HIT animal use.
- Confirm your entries with
- **Note**: Confirmations of periods without antibiotic treatment are only transmitted to the German federal antibiotics database (HIT-TAM database) if QS has been authorized by the livestock owner in the HIT-TAM database.

Show for cattle, pig, or poultry farms



- The function "Periods without AB therapy show for pig farms, cattle farms, or poultry farms" gives you an overview of the entered confirmations of periods without antibiotic treatment.
- The following filter options exist:
  - Select livestock owner: Click on the magnifying glass behind the livestock owner to open the company filter. Select the livestock owner directly from the list of hits by double-clicking or search for him entering the VVVO number or the name, click on and then select the Y Show livestock owner by double-clicking.
  - Period
  - Submitted by
  - HIT (Transmission status to the HIT-TAM database)
- to display your selection.
- Further editing options in the window "Periods without AB therapy show for pig farms, cattle farms, or poultry farms":



# HIT protocol

#### Therapy index

#### Index/Trend based on farm or Index based on herd

- Click on "Index based on farm" or "Trend based on farm", respectively, or "Index based on herd" in the "Therapy index" menu.
- It is possible to filter by animal branch, livestock species, animal group and a particular livestock owner. After setting the filter, click on to view the desired selection. Y Show

#### Benchmark

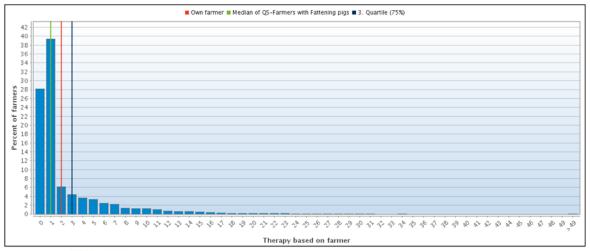
- Click on "Benchmark" in the menu "Therapy index" to display a specific company in comparison to all OS companies in an animal group.
- In the filter function, select a reference date, the desired animal group and the desired livestock owner and confirm your selection with Y Show



You receive the evaluation of the desired company. This includes the calculated therapy index of the company as well as the values for the median and the 3rd quartile of all QS companies of the corresponding animal group. A chart illustrates the comparison between the selected company and all other QS companies of the animal group.



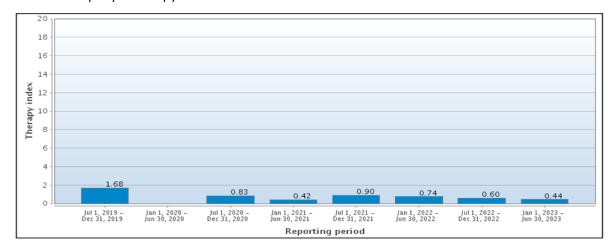
Report day:	Aug 1, 2023	Animal group:	Fattening pigs
Reporting period:	Jan 1, 2023 - Jun 30, 2023	Therapy index:	1.92 Own farmer
Therapy period:	Jan 1, 2023 - Jun 30, 2023	Therapy index:	2.55 Average of QS-Farmers with Fattening pigs
		Therapy index:	0.30 Median of QS-Farmers with Fattening pigs
		Therapy index:	2.75 3.Quartile (75%) of QS-Farmers with Fattening pigs



- Via Download... you can download the diagram with the corresponding reference values as a PDF file.
- Click History to go to the history of the selected company.

#### **History**

- Click on "History" in the menu "Therapy index".
- Select a reference date, the animal group and the desired livestock owner via the operational filter and click on show
- You will get a chart of the previous reporting periods in which you can evaluate the development of the company's therapy index.



#### Therapy index for critical antibiotics

- You can also display all the above evaluations specifically for critical antibiotics.
  - In "Therapy index based on farm" the display appears automatically in the last column auf the evaluation scheme ("TI-CA").
  - For all other evaluations click on "Critical Antibiotics (CA)" in the filter options and afterwards on Show .



# 4 My profile

#### 4.1 Downloads

• The download overview enables to download already created files. To do this, select the corresponding data record (highlighted in blue) and select the desired function in the upper right corner of the window.



#### 4.2 Import reports

• The overview of the import reports is not relevant for you as an livestock owner, since no import functions are available.

#### 4.3 Inbox

- In the "Inbox" you will find all mailings sent by your coordinator.
- You have the option of filtering according to the send date.
- After selecting a data set (highlighted in blue) you can download the corresponding mailing via Download...