

## Manual on data exchange with WHONET

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#### Foreword

This manual presents the elements of LabBook that are accessible to a user with "advanced secretary", "technician", "advanced technician", "quality technician" or "biologist" profile. Please contact your administrator if you do not have access to any of the actions through your interface.

### **Export WHONET**

Go to the "Reports" menu and then "WHONET Export" to get to the WHONET data extraction page:



You will be directed to the following page after selecting this option:

Lab <b>Book</b>	Administrative	Reports	Settings	100 Quality	Non-conformity	
				WHONET e	xport	
Date of validation of the	01/01/2022	۲	to 02/1	0/2022 ©		
Back						Retrieve data

You can specify the date range for the data you want to output and click. You will receive a txt file in





# Lab 3ook

whonet_2021-01-01_2021-08-20.txt	>
https://demo.lab-book.org/sigl/download-file/type/PY/name/whonet_2021-01-01_20	
Afficher le dossier	

The downloaded file will be processed with BacLink software. BacLink software is a valuable tool which facilitates the extraction and conversion of data from a number of different sources into WHONET.

You can follow this link: <u>https://whonet.org/training.html</u> to know more on how to convert the file using BacLink.

### Convert LabBook export to WHONET with BacLink

BacLink is an integrated tool in the WHONET software. You can download it through the link: https://whonet.org/ at the "Download" section.



Once the application is installed, launch BacLink (

The top portion of the window that appears allows you to describe the file that will be converted, while the bottom section is for the new data file.

BacLink 2020				2
ile Select language H	elp			
Choose the name and forma Enter a name and format for f the format of your data file (	at of the original data file. the new data file. Click on 'Begin conversion'. does not appear on the list, choose 'New format'.			
File format	MyLaboratory	Nev	/ format	
		Edit	format	
MyLaboratory-TEXT.Clg		Dele	te format	
File name	c:\users\dell\desktop\formation_r_emilie\whonet_2021-01-01_2021-01-25.txt	Bi	owse	
Table name	For Access files only	0	ates	
New data file				
File name	c:\users\dell\desktop\formation_r_emilie\whonet_data.sqlite	Br	owse	
Table name	For Access files only			
File format	WHONET (SQLite) ~			
	Begin conversion		Exit	

Click "New format" to begin setting up the lab's details.



BACLINK CONTIGUTATION		,	
Country	~		
aboratory name			
_aboratory code			
Maximum 10 letters			
File structure	Describe the structure of your data files.		
Codes and dates	Enter the codes and date formats used in your data files.		
New data file	Indicate the name and format of the new data file.		
New data file Data filter	Indicate the name and format of the new data file. Indicate the isolates to be included in the new data file.		

Choose a country from the drop-down menu, then enter the laboratory's name and code (this code will be used by BacLink and WHONET as the default file extension for your WHONET data files).

ile structure	Text (Delimited)		~
Field delimiter	Tab 🗸		
File location	C:\WHONET\Data\		Browse
File name	*.txt		Browse
Table name		~	
File origin	Windows (ANSI)	~	
Character set	Western European (W	/indows) ~	
Antibiotics	Enter information	about the antibiotics in your data	a file
Antibiotics Guidelines Number of rows of da Antibiotic sequence	Enter information	about the antibiotics in your data No answer No answer No answer	i file
Antibiotics Guidelines Number of rows of da Antibiotic sequence Fest methods	Enter information	about the antibiotics in your data No answer No answer No answer No answer	a file
Antibiotics Guidelines Number of rows of da Antibiotic sequence Test methods Number of test metho Does the first row of t	Enter information ita for each isolate ods in one row of data he data file have the names of	about the antibiotics in your data No answer No answer No answer No answer No answer No answer	a file
Antibiotics Guidelines Number of rows of da Antibiotic sequence Test methods Number of test method Does the first row of t ③ Yes ()	Enter information ta for each isolate ods in one row of data he data file have the names of	about the antibiotics in your data No answer No answer No answer No answer No answer	a file

Then select "File structure".

By using the "search" buttons, you can specify the location and the LabBook export text file.

Make the file's origin Unicode (with UTF-8 encoding).



To set up the antibiotic results information, click the "Antibiotics" option.

Configure antibiotics					×
File format		TEXT (DELIMIT	ED)		OK
Does your file include antibiotics results?		• Yes	O No		0
Guidelines	CLSI			~	Cancel
The antibiotics of one isolate require how m	nany rows of data?		)ne row Iore than one r	ow	
In what sequence do the antibiotics appear	?	● F ○ V	ixed antibiotic : ariable antibiot	sequence ic sequence	
The data file includes what test methods?		Disk d MIC Etest	iffusion		
The antibiotics of one isolate require how m In what sequence do the antibiotics appear The data file includes what test methods?	nany rows of data? ?	CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR OF CONTRACTOR CONTE	One row lore than one r ixed antibiotic : 'ariable antibiot iffusion	ow sequence ic sequence	

(If your data file contains more than one test method, BacLink will may ask you a few more questions to ensure that the findings tested by the various methods is reliably distinguished.)

To finish this configuration, click on the " OK " button

Click the "Data fields" button to determine the association between the data fields in the LabBook export file and the equivalent data field in WHONET.

The LabBook file is selected, and the WHONET fields on the left are matched with the LabBook data fields on the right.

Click on a WHONET field on the left, then on the equivalent LabBook field on the right, to match the two fields. After that, click the "=" sign.

To confirm the configurations, click the "Ok " button.

You must save all of your previous work by clicking on "Save". Assign a name to the new BacLink configuration with the "cfg" extension. The new setting will appear in your BacLink file format list after you select "Exit."

Click the "Start Conversion" button after entering the name of the new WHONET file.



File name	c:\users\dell\desktop\formation_r_emilie\whonet_2021-01-01_2021-01-25.bt	Browse
Table name	For Access files only	Dates
lew data file		
File name	c:\users\dell\desktop\formation_r_emilie\whonet_data.sqlite	Browse
		Inite and the second se
Table name	For Access files only	

BacLink will show you the conversion results for the first three isolates from the original data file. This allows you to visually examine the conversion's accuracy. The findings of the first isolation can be seen on the screen below. Check the central column first to see if BacLink is accurately reading the data values, then the final column to see if BacLink is appropriately converting the data values.

La conversio	n est terminée.	×
La conversion Temps écoulé Nombre de sol	est terminée. 18:06:: 0:30 uches = 7	53
	Continuer	Voir la base de

BacLink will indicate that the conversion is complete and has all of the required data. Click on "Continue".

BacLink		$\times$
BacLink n'a pas pu interp fichier de données.	réter tous les codes contenus dans votre	
Voulez-vous réviser les no	ouveaux codes ?	

BacLink may issue a warning if it doesn't recognize some codes. Select "Yes."

By clicking the "Set Code" button, you can correct these codes. Then, to receive the WHONET output file, select "Continue".

### Export WHONET configuration on LabBook

You can configure the analyses and variables to be exported under the "Export WHONET" section of LabBook by connecting with the "Root" profile. To do so, select "Settings" and then "Analysis Repository" from the drop-down menu.



Action	Code	Désignation	Abréviation	Famille	Statut	Produit bio.
0 -	ABCL	Antibiogramme 1ère ligne des mycobactéries en milieu liquide	ATBBKML TUE	Bactériologie	Activé	
0 -	B248	Culot urinaire : examen direct (état frais, cytologie coloration)		Bactériologie	Activé	PB3 : Prélèvement d'urines
0 -	B249	Examen cytobactériologique des urines (uroculture)	ECBU	Bactériologie	Activé	PB3 : Prélèvement d'urines
0 -	B250	Examen direct du prélèvement vaginal/cervico-vaginal		Bactériologie	Activé	PB7 : Prélèvement Vaginal
0 -	B251	Examen cytobactériologique du prélèvement vaginal/cervico-vaginal		Bactériologie	Activé	PB7 : Prélèvement Vaginal
0 -	B252	Examen direct du prélèvement urétral		Bactériologie	Activé	PB8 : Prélèvement Urétral
0 -	B253	Examen cytobactériologique du prélèvement urétral		Bactériologie	Activé	PB8 : Prélèvement Urétral
0 -	B254	Examen cytobactériologique du sperme (spermoculture)		Bactériologie	Activé	PB22 : Prélèvement de spern
0 -	B255	Examen direct du LCR		Bactériologie	Activé	PB5 : Prélèvement de liquide
			€ B250 Edit	E		

and "Edit".

Once in the list of analyses, click on the action button

In the Analysis and Variables section, you have an option to enable or disable the data to the WHONET export.

Whonet export O Yes O No

N.B.: only a "Root" user has the right to modify this option.

### List of analyses on export WHONET

There are some analyses that are already predefined to be in the WHONET export data. The following is a list of the 24 analyses for WHONET export:

<u>code</u>	Designation	<b>Abbreviation</b>
	Antibiotic susceptibility testing for	
B650	meningococci [DISK]	ABG Meningococcus
B651	Staphylococcus aureus antibiogram [DISK]	ABG Staphylo. aureus
B652	Pneumococcal susceptibility testing [DISK]	ABG Pneumococcus
B653	Haemophilus influenzae antibiogram [DISK]	ABG H. influenzae
B654	Pseudomonas antibiogram [DISK]	ABG Pseudomonas
B655	Acinetobacter antibiogram [DISK]	ABG Acinetobacter
B656	Antibiogram Escherichia coli [DISK]	ABG Escherichia coli
B657	Antibiogram Salmonella spp [DISK]	ABG Salmonella spp
B658	Antibiogram Shigella spp [DISK]	ABG Shigella spp
B659	Antibiogram Klebsiella spp. [DISK]	ABG Klebsiella



B660	Antibiogram Enterobacter spp. [DISK]	ABG Enterobacter
B661	Antibiogram Vibrio cholerae spp. [DISK]	ABG Vibrio cholerae
	Antibiotic susceptibility test Meningococcus	
B670	[MIC].	ABG Meningococcus
B671	Staphylococcus aureus antibiogram [MIC].	ABG Staphylo. aureus
B672	Pneumococcal susceptibility testing [MIC].	ABG Pneumococcus
	Haemophilus influenzae susceptibility test	
B673	[MIC].	ABG H. influenzae
B674	Pseudomonas antibiogram [MIC].	ABG Pseudomonas
B675	Acinetobacter antibiogram [MIC].	ABG Acinetobacter
B676	Antibiogram Escherichia coli [MIC].	ABG Escherichia coli
B677	Antibiogram Salmonella spp [MIC]	ABG Salmonella spp
B678	Antibiogram Shigella spp [MIC].	ABG Shigella spp
B679	Antibiogram Klebsiella spp. [MIC]	ABG Klebsiella
B680	Antibiogram Enterobacter spp. [MIC]	ABG Enterobacter
B681	Antibiogram Vibrio cholerae spp. [MIC]	ABG Vibrio cholerae

N.B.: if you want these analyses to appear in the WHONET export, you must utilize codes between (B650 through B681).

