

Label Name 🗢	RH Norm ≎	Interpretation \$
CNEG_C5_1	0	Negative Hydrolysis
CNEG_C6_1	0.0993901986	Negative Hydrolysis
CPOS_B5_1	1	Positive Hydrolysis
CPOS_B6_1	1.050548714	Positive Hydrolysis



Antibiotic Hydrolysis Detection Analysis

CLOVER MS Data Analysis Software

Table Resul[.]

Label Name 🗢	RH Norm ≎	Interpreta
FOX4_A9	1.0685211838	Positive H
SHV12_E7	0.8144769591	Positive H
SHV12_E8	0.7118765613	Positive H
TEM1_D7	0.0244237164	Negative
TEM1_D8	0.0837189822	Negative
TEM29_F7	0.1217664654	Negative
TEM29_F8	0.1445716073	Negative

The normalized hydrolysis ratio and the interpretation sample are displayed (positive, intermediate, or negation

ownloading and saving the resu



A PDF report of the full analysis can be generated a Also, the analysis can be saved for late reference section. Only users with the right permissions can s the analysis in projects.

This guide is only for MALDI spectra	2.1. AHDA Results	
III Tasks 名 Training Clover [training@cloverbiosoft.com] Premium 血 Training Clover BioSoft G Logout		
New Analysis	🖿 Spectra Plot	
ntibiotic Hydrolysis Detection sis. Then you will be able to export a PDF report, or to save it so it appears in the list.	Table result	
E Tasks 2 Training Clover [training@cloverbiosoft.com] Premium	Ratio of Hydrolysis Pl	
	An intermediate value (between	
Analysis Software Iew Antibiotic Hydrolysis Detection Analysis	the red and green lines) indicates an ambiguous hydrolysis pattern,	
Upload or select files	which needs further confirmation.	
Antibiotic Group Samples by Name Cefotaxime - CTX Negative control		
CNEG_C1 ~ 4 Positive control CPOS_B1 ~	0.4	
Run Analysis	0	
4 Choose the antibiotic	CMY2_B9 CMY2_B10 CNEG_C1 CNEG_C1 CNEG_C2 CNEG_C2 CNEG_C2 CNEG_C2 CNEG_C2 CNEG_C2 CNEG_C2 CNEG_C2 CNEG_C2 CNEG_C2 CNC2_B10 CNC2_B10 CNC2_B10 CNC2_B10 CNC2_B10 CNC2_B10 CNC2_C1 CNC2_B10 CNC2_C1 CNC2_C	
alysis to evaluate and the controls. Run analysis	Samples with a hy	
	line are considered hydrolyze and inac	
etation \$ e Hydrolysis		
e Hydrolysis e Hydrolysis		
ve Hydrolysis		
ve Hydrolysis		
on of it for each		
ive nyuloiysis).		
S		
PDF Report Save Analysis		
>		
>		
and downloaded		
ce in the Project		
see and retrieve		

CLOVER BioSoft



Analysis results are divided into the ratio of

ed as negative since they cannot ctive the selected antibiotic.



cloverbiosoft.com clovermsdataanalysis.com

Clover Bioanalytical Software Copyright[®] 2015

Edif. Centro de Empresas PTS. Av. del Conocimiento, 41 18016 Granada, Spain

Phone: +34 958 991 543 email: info@cloverbiosoft.com <u>support@cloverbiosoft.co</u>m

Clover MS Data Analysis Software, Quick Start Guide

HOME SOFTWARE - TESTIMONIALS TIMELINE ABOUT US MANUAL SIGN UP LOGIN CONTACT US Al-powered software for research on fast, accurate and cost-efficient Microorganisms Resistance Analysis and Strain Typing using both MALDI-MS and FTIR data

CLOVER MSDAS offers the Antibiotic Hydrolysis Detection Analysis module to measure and detect the hydrolysis ratio from one of the available antibiotics using MALDI-TOF spectra.

Label Name 🖨	RH Norm \$	Interpretation \$
CNEG_C5_1	0	Negative Hydrolysis
CNEG_C6_1	0.0993901986	Negative Hydrolysis
CPOS_B5_1	1	Positive Hydrolysis
CPOS_B6_1	1.050548714	Positive Hydrolysis



Antibiotic Hydrolysis Detection Analysis

CLOVER MS Data Analysis Software



CLOVER BioSoft



cloverbiosoft.com clovermsdataanalysis.com

Clover Bioanalytical Software Copyright[®] 2015

HOME SOFTWARE - TESTIMONIALS TIMELINE ABOUT US MANUAL SIGN UP LOGIN CONTACT US

Al-powered software for research on fast, accurate and cost-efficient Microorganisms Resistance Analysis and Strain Typing using both MALDI-MS and FTIR data

CLOVER BioSoft

Edif. Centro de Empresas PTS. Av. del Conocimiento, 41 18016 Granada, Spain

Phone: +34 958 991 543 email: info@cloverbiosoft.com <u>support@cloverbiosoft.co</u>m







Antibiotic Hydrolysis Detection Analysis

CLOVER MS Data Analysis Software

CLOVER BioSoft



cloverbiosoft.com clovermsdataanalysis.com

Clover Bioanalytical Software Copyright[®] 2015

HOME SOFTWARE - TESTIMONIALS TIMELINE ABOUT US MANUAL SIGN UP LOGIN CONTACT US

Al-powered software for research on fast, accurate and cost-efficient Microorganisms Resistance Analysis and Strain Typing using both MALDI-MS and FTIR data

CLOVER BioSoft

Edif. Centro de Empresas PTS. Av. del Conocimiento, 41 18016 Granada, Spain

Phone: +34 958 991 543 email: info@cloverbiosoft.com <u>support@cloverbiosoft.co</u>m





Antibiotic Hydrolysis Detection Analysis CLOVER MS Data Analysis Software

CLOVER BioSoft



cloverbiosoft.com clovermsdataanalysis.com

Clover Bioanalytical Software Copyright[®] 2015

HOME SOFTWARE - TESTIMONIALS TIMELINE ABOUT US MANUAL SIGN UP LOGIN CONTACT U

Al-powered software for research on fast, accurate and cost-efficient Microorganisms Resistance Analysis and Strain Typing using both MALDI-MS and FTIR data

Edif. Centro de Empresas PTS. Av. del Conocimiento, 41 18016 Granada, Spain

Phone: +34 958 991 543 email: info@cloverbiosoft.com support@cloverbiosoft.com



Antibiotic Hydrolysis Detection Analysis CLOVER MS Data Analysis Software

CLOVER BioSoft



cloverbiosoft.com clovermsdataanalysis.com

Clover Bioanalytical Software Copyright[®] 2015

HOME SOFTWARE - TESTIMONIALS TIMELINE ABOUT US MANUAL SIGN UP LOGIN CONTACT US

Al-powered software for research on fast, accurate and cost-efficient Microorganisms Resistance Analysis and Strain Typing using both MALDI-MS and FTIR data

Edif. Centro de Empresas PTS. Av. del Conocimiento, 41 18016 Granada, Spain

Phone: +34 958 991 543 email: info@cloverbiosoft.com support@cloverbiosoft.com