

LabPro Version 4.42 Panel Update-08

Software Installation Procedures

MBLPIN-0092
(MB-XXXXX)

TABLE OF CONTENTS

COPYRIGHT	3
DISCLAIMER	3
REFERENCE LIST	3
SAFETY NOTES AND ICONS	3
REVISION HISTORY	4
1 MATERIALS	5
2 INSTALLATION	6
2.1 Important Information	6
2.2 Installation Codes Added	6
2.3 Pre-installation Preparation	6
2.3.1 Check for Matching Codes (Current User-Defined vs. New System-Defined)	6
2.3.1.1 Check for Test Group Codes	6
2.3.1.2 Check for Duplicate Organism Codes	7
2.3.1.3 Check for Duplicate Organism Group Codes	7
2.3.1.4 Print Active System-Defined Alert Rules	7
2.3.2 Create a LabPro Database Backup on External Media	11
2.4 Install LabPro V4.42 Panel Update-08	11
2.4.1 Install Software	11
2.4.2 Confirm Software was Loaded	13
2.4.3 Reset Active/Inactive Status for System-Defined Alert Rules	13
2.4.4 Reactivate Alert Rules	13
2.4.5 Check for Library Updates (Import Data) (LabPro-MBT Users Only)	15
3 ALERT RULE CHANGES	18
4 APPENDIX	19
4.1 APPENDIX A: LabPro Re-launch Error	19

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Installing or servicing MicroScan equipment requires in-depth knowledge and understanding. Therefore, only certified and qualified personnel must perform installation or service activities.

REFERENCE LIST

LabPro Interface Implementation Guide (9020-8006)

MicroScan Organism Reference Guide (LabPro) (9020-8208)

LabPro-MBT Operator’s Guide (9020-8013 B)

LabPro System Service Manual (MBLPGD0078AA)

SAFETY NOTES AND ICONS

This manual uses notes and safety icons to highlight important items in the text.



Notes are comments that can clarify the existing steps of a procedure. They provide extra explanations, hints, or reminders.



IMPORTANT indicates that the user should take care when performing certain activities. Ignoring precautions could result in unfavorable consequences.



Cautions are included in the text when a procedure, if not correctly followed, could result in damage to the instrument or loss of data.



Warnings are included in the text when a procedure, if not correctly followed, could result in personal injury, affect the operator’s health, or contaminate the environment. For example, a warning might include the following message: “Take appropriate precautions when handling instrument parts that might have come in contact with patient samples.”



DANGER indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. **DANGER** is limited to the most extreme situations.



Do not use tools while equipment is powered.



Electric Shock Danger: High voltage.

REVISION HISTORY

Section	Revision Description	Prepared by	Version	Effective Date
All	New	Laura Corneliuz	1.0	04/2019

1 MATERIALS

This section describes the parts and materials required to successfully install the LabPro components stated in Table 1: Parts

Table 1: Parts

Description	Part Number
CD-RW Disc Backup Media (4x – 10x or 4x – 12x CD-RW or Flash drive)	N/A
LabPro V4.42 Panel Update -08 (US) Kit contains: DVD, LabPro V4.42 Panel Update-08 Part #C42942	C42995
Lab Pro V4.42 System Kit w/Panel Update-08 (US) Kit contains: DVD, LP 4.42 US Part #6000-0053 DVD, LP 4.42 MUA US, OUS Part #6000-0069 CD, LP V4.42 Panel Update-07 (US, OUS) Part #C22263 DVD, LP 4.42 Panel Update-08 Part #C42942 LB, LP V4.42 PU8 SYS (US) Part #C43240	C42994

2 INSTALLATION



Read all instructions before beginning the installation. LabPro V4.42 Panel Update-08 has the ability to install over LabPro V4.42 Panel Update-07 ONLY.

Before beginning the installation check the current LabPro version, from the **LabPro Command Center** menu toolbar, click **Utilities**, double-click **System**, and then double-click **LabPro System Information**.

Note the following installed version:

LabPro Maintenance Update version: _____.

Before beginning the installation, confirm that you received the LabPro V4.42 Panel Update-08 software listed in Table 1 and have an external backup media that is available for use (e.g. CD-RW or flash drive).

2.1 Important Information

WalkAway instruments do not need to be empty during the software installation, panels will continue to process during the update.

2.2 Installation Codes Added

Once LabPro V4.42 Panel Update-08 is installed, the following codes will be added to the customer's database:

- New test group code Neg MIC 56 (NM56)
- New organism code SELEBAC4 (Select Enterobacteriaceae 4)

2.3 Pre-installation Preparation

Complete the steps in the following section to prepare for LabPro V4.42 Panel Update-08 installation.

2.3.1 Check for Matching Codes (Current User-Defined vs. New System-Defined)

During the update process, existing user-defined codes will stop the update (if they conflict with a new system-defined code) until user-defined codes are changed. To save time, check for duplicates, and change the user-defined code so there will not be a match.

2.3.1.1 Check for Test Group Codes

To find user-defined Test Group codes, perform the following steps.

1. From the **LabPro Command Center**, click **Utilities**, double-click **Customization**, double-click **Orders**, double-click **Isolate**, and then double-click **Test Groups**.



If the Test Groups table is empty, there are no user-defined Test Group codes. Only user-defined entries are displayed in the table. Continue to Section 2.3.1.2, “Check for Duplicate Organism Codes”.

2. If a match is found, edit the code for the user-defined Test Group and save.

2.3.1.2 Check for Duplicate Organism Codes

To find user-defined Organism codes, perform the following steps.

1. From the **LabPro Command Center** menu toolbar, click **Utilities**, double-click **Customization**, double-click **Codes**, and then double-click **Organisms**.
2. Click the dropdown arrow in the **User-defined** column header.
3. Click the **Yes** checkbox (if available).
4. If there are numeric user-defined organism codes, compare them to the numeric listing in the MicroScan Organism Reference Guide.
5. If there are alpha-numeric codes used, there may be conflicts that will need resolution before install using the organism table found in the LabPro software. If a match is found, edit the code for the user-defined Organism and save.



Modifying any existing Organism codes to prevent a match may require cross-referencing the modified codes in the Interface after installation completes. Check with the LIS vendor to determine if the LIS requires modification.

2.3.1.3 Check for Duplicate Organism Group Codes

To find user-defined Organism Groups, perform the following steps.

1. From the **LabPro Command Center** menu toolbar, click **Utilities**, double-click **Customization**, double-click **Code Groups**, and then double-click **Organisms**.
2. Click the dropdown arrow in the **User-defined** column header.
3. Click the **Yes** checkbox (if available).
4. If a match is found, edit the code for the user-defined Organism Group and save.

2.3.1.4 Print Active System-Defined Alert Rules

Print a copy of active System Defined Alert Rules that could have been activated by the customer. This list will be used after install to make sure that the installation of **LabPro V4.42 Panel Update-08** didn't inactivate System Defined Alert Rules customer wants active.

To print a page for each System-Defined Alert Rule:

1. From the **LabPro Command Center** menu toolbar, click **Utilities**, double-click **Customization**, double-click **Alert System**, and then double-click **Alert Rules**.
2. Click the dropdown arrow in the upper right corner of the **User-defined** column header. The filter dropdown box displays. Click the **No** checkbox.
3. Click the dropdown arrow in the upper right corner of the **Active** column header. The filter dropdown box displays. Confirm that the **Yes** checkbox is selected (See Figure 1).

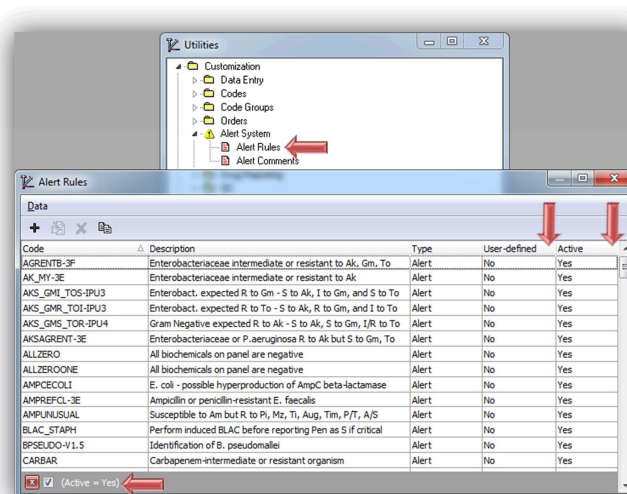


Figure 1: Alert Rules Filtering

4. Click to highlight the first alert rule.
5. Scroll to the bottom of the list.
6. While pressing the **Shift** button, click on the last alert rule (the whole list should be highlighted)
7. Select **Data** on the toolbar, or select **Print**.
8. The Print pop-up appears (See Figure 2).

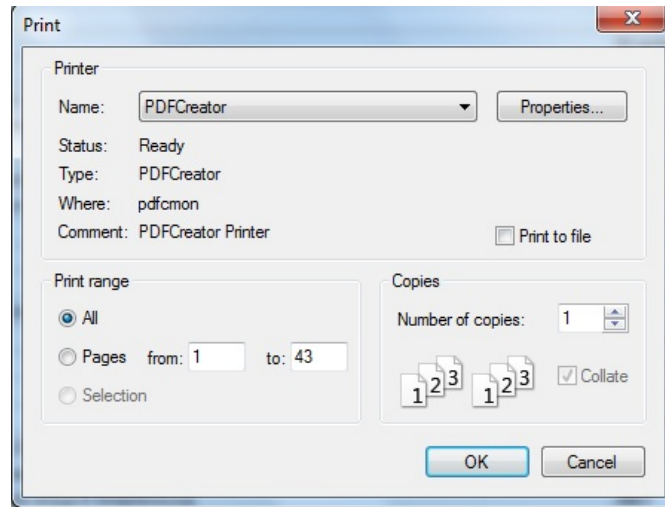


Figure 2: Print Pop-Up

9. Select **PDFCreator** for the name, and click **OK**.
10. The **PDFCreator** pop-up will appear (See Figure 3). **NOTE:** if the **PDFCreator** pop-up does not display, it may be that Auto-Save was enabled in PDFCreator.

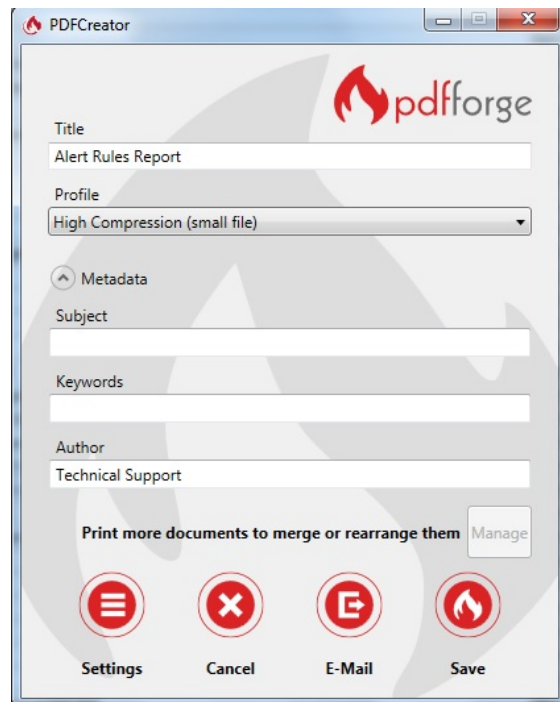


Figure 3: PDFCreator pop-up

11. Click **Save**. The **Select Destination** pop-up appears (See Figure 4).

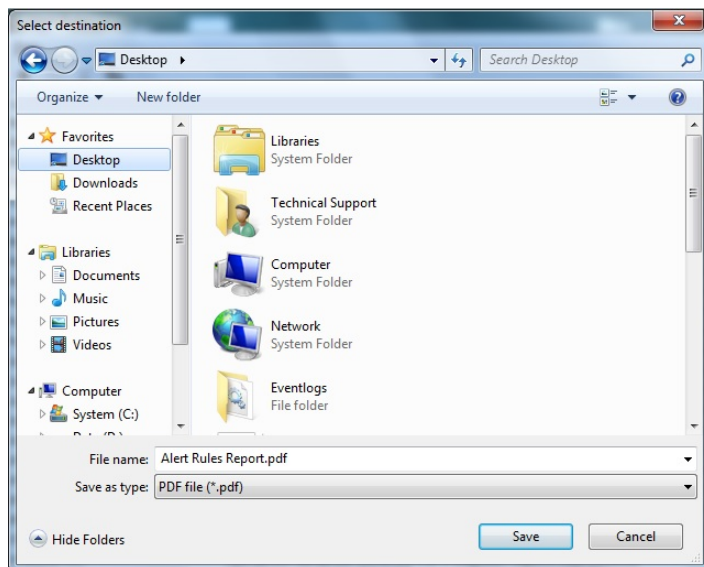


Figure 4: Select Destination

12. Select **Save** to save to the desktop. Change destination to save to CD-RW or Flash drive (i.e. E:\ to save to a CD-RW or F:\ to save to a flash drive) then select **Save**.
13. The Alert Rules Report opens in PDF (See Figure 5).

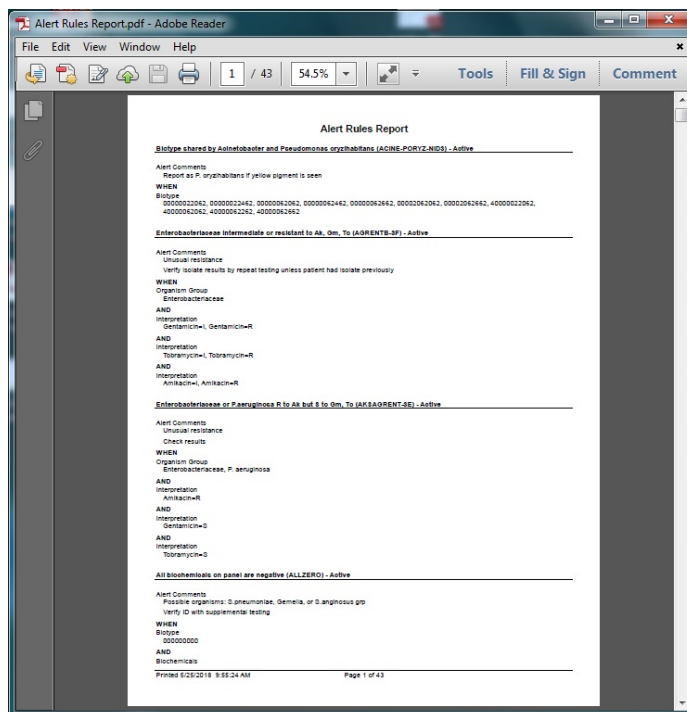


Figure 5: Alert Rules Report

14. Close pdf by clicking on the **x**. Close the **Alert Rules** window and then close **Utilities**. Close **LabPro Command Center**.

2.3.2 Create a LabPro Database Backup on External Media

1. Go to **Start Menu > All Programs > MicroScan LabPro > Database Maintenance**.
2. In the **Database Maintenance** dialog box, click **Backup Database** (See Figure 6).
3. Verify the **Destination** and click **Backup**.
4. When the status displays “Backup Complete,” click **Close**.
5. Double-click **(My) Computer**. (If you are using a CD as your backup media, eject the disc and, without removing it, close the drawer again. Then double-click **(My) Computer**.)
6. Double-click the appropriate removable drive.
7. Verify that a .MCP file is present and reflects today’s date by right-clicking on the file and selecting **Properties**.



Figure 6: Backup Database

2.4 Install LabPro V4.42 Panel Update-08

2.4.1 Install Software

1. Ensure all LabPro applications are closed.
2. Insert **LabPro V4.42 Panel Update-08** into the drive.

If Set up does not run automatically, double click **(My) Computer** and double-click the applicable CD/DVD drive location and then `Setup.exe` to start the installation process.

For Windows 7 systems, if User Account Control (UAC) pop-up message appears, click **Yes**.
3. Click **Install Panels** (See Figure 7).

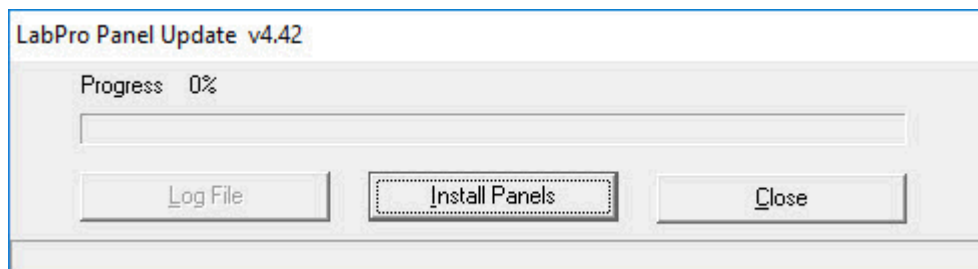


Figure 7: Install Panels



If any system-defined codes are still in conflict with existing user-defined codes, the following error message will display:

“The installation cannot be completed. Please rectify user-defined duplicates noted in the Log File before beginning again.”

Click OK. Click on Log File. Print the Log File and resolve the duplicate code(s). Re-start the installation process at Step 1 above.

4. Click **Log File**. The **PDI Log File** will appear with the LabPro V4.42 PU-08 changes.
5. Print **PDI Log File**.
6. Click **Finalize**. The LabPro Panel Update installer dialog box displays again (See Figure 8).

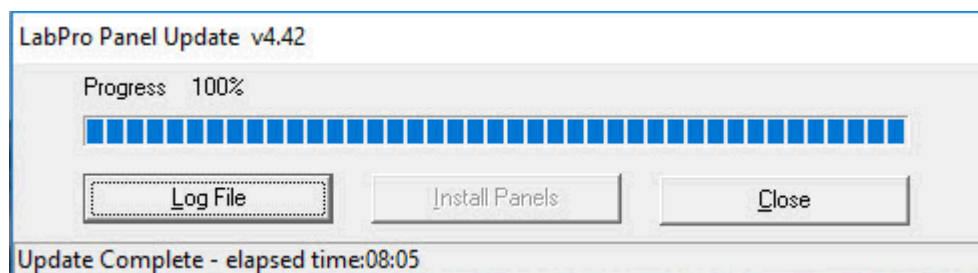


Figure 8: Update Complete

7. Click **Close**.
8. A message displays “Finalizing update and performing recovery backup, please wait...” (See Figure 9).

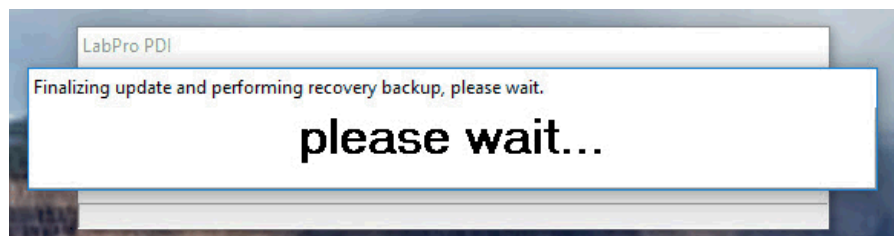


Figure 9: Finalizing Update

9. When the message disappears, remove the LabPro V4.42 PU-08 DVD.

2.4.2 Confirm Software was Loaded

To confirm the software was loaded, perform the following steps.

1. From the **LabPro Command Center** menu toolbar, click **Utilities**, double-click **System**, double-click **LabPro System Information**.
2. Look for Panel Update 8 UDI (See Figure 10) and confirm it is the same number on PU-08 CD.

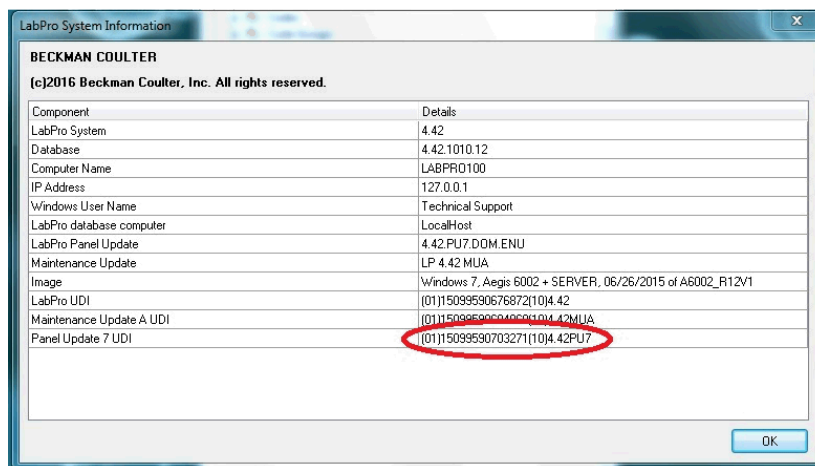


Figure 10: LabPro System Information

3. Click **OK**.

2.4.3 Reset Active/Inactive Status for System-Defined Alert Rules

Upon the first instance of LabPro software installation, certain system-defined Alert Rules (usually ID or AST action rules) have a default status of “inactive”. System Defined Alert Rules (ID and AST Action Rules) active prior to the update will revert back to the inactive status unless they were modified by the user. System defined Alert Rules including ID and AST action rules if modified by the user will have a User Defined status of yes. Changing the status of an ID or AST action rule to active is not considered modifying the rule. A list of these rules are located on the last page of the **PDI Log File** under **Added/Updated ALERT RULES**.

2.4.4 Reactivate Alert Rules

1. Identify the rules in the **PDI Log File** that are marked “UPDATED- Alert Rule name”.
2. To identify System-Defined rules that were activated by the user and deactivated by the software update (Marked as “UPDATED” in **PDI Log File**.) Look in the **PDI Log File** for any remaining “UPDATED” Alert Rule and compare to the Alert Rules Report.pdf (Created in Section 2.3.1.4. **Print Active Alert Rules**). If any Alert Rules are found:

- a. Work with the customer to determine if Alert Rule is still appropriate to use. If so, toggle status to active (See Step 5) for instruction on how to active).
3. To activate an inactive alert rule: From the **LabPro Command Center** menu toolbar, click **Utilities**, double-click **Customization**, double-click **Alert System**, and then double-click **Alert Rules** (See Figure 11).



By default, only Active rules display.

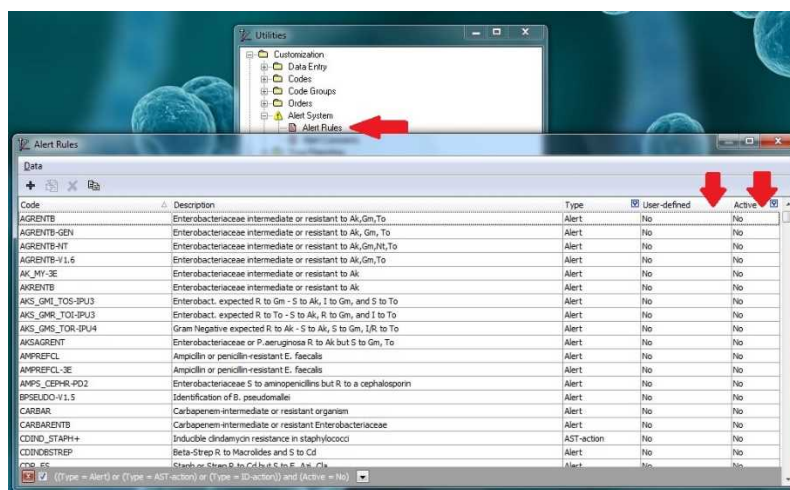


Figure 11: Alert Rules Filtering

- a. Click the dropdown arrow in the upper right corner of the **Active** column header. The filter dropdown box displays.
 - b. Clear the **Yes** checkbox and select the **No** checkbox to display all inactive Alert Rules.
 - c. Click the dropdown arrow in the upper right corner of the **User-defined** column header. The filter dropdown box displays.
 - d. Click the **No** checkbox.
5. To activate a rule, either right-click the rule and click **Toggle Active** or select **Data > Toggle Active** from the **Alert Rules** menu toolbar.

2.4.5 Check for Library Updates (Import Data) (LabPro-MBT Users Only)



IMPORTANT

After initial installation of the software, complete the following steps to establish connectivity with the Bruker system. At initial installation the Download button will display even if there are no new, removed, modified organisms, or matching hints available at that time.

1. On the **MBT Monitor**, click in the **Library Update** bar located in the lower right corner of the screen (See red rectangle in Figure 13). This bar changes color and messages depending on the activity.

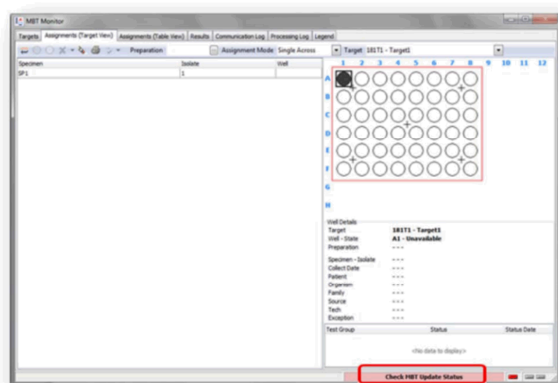


Figure 13: Check for Library Updates

The Refresh Device Communication window displays (See Figure 14)

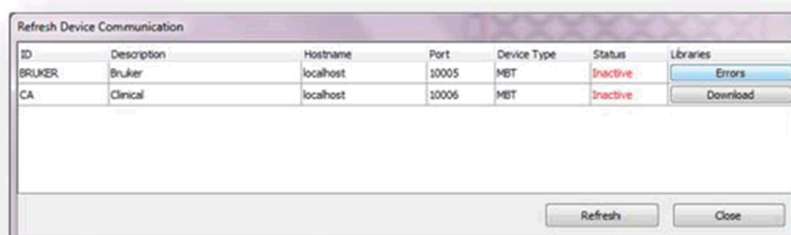


Figure 14: Refresh Device Communication

2. On the **Refresh Device Communication** window, Click **Refresh**.
3. Click the **Download** button if it is active in the **Libraries** column. The system will attempt to import data from the device. The Import MBT Data window displays.

4. If the **Organism Changes** button is active, click the button to view the MBT organism changes introduced by the import process (See Figure 15).



The customer has the ability to map the new MBT organisms to a LabPro organism. This should only be done by the customer.

This screen is also available under Utilities > Configuration > LabPro-MBT > Organisms Mappings if customer wants to map organisms at a later date.

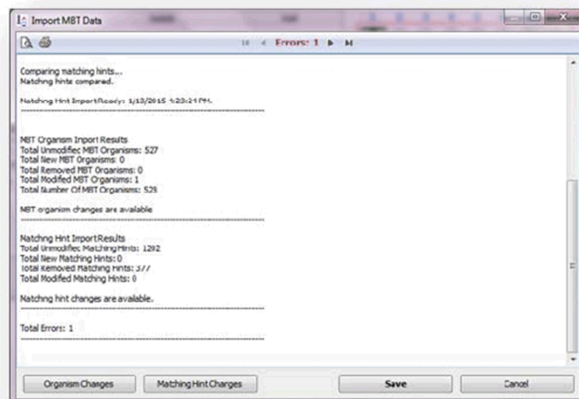


Figure 15: Organism Changes

5. If the **Matching Hint Changes** button is active, click the button to view MBT matching hint changes introduced by the import process (See Figure 16).



The customer has the ability to toggle the Exception status under Utilities > Configuration > LabPro- MBT > Matching Hints if customer chooses to prevent them from displaying at a later date. Changing the Exception status for Matching Hints should only be done by the customer.

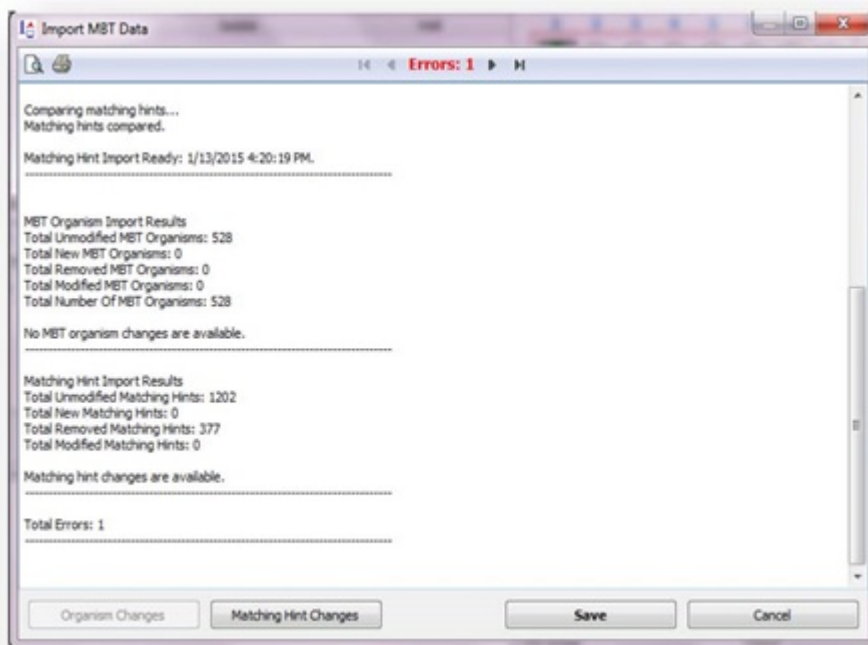


Figure 16: Matching Hints

6. Click **Save** to complete the import process.
7. Close the Refresh window by clicking the red "X" in the upper right corner of the window.

3 ALERT RULE CHANGES

The following tables contain the information about the Alert rules:

- Table 3 provides the processing of Alert rules during an installation.
- Table 4 provides the New Active Alert rule with LabPro V4.42 Panel Update-08.
- Table 5 provides a list of New Alert Comments with LabPro V4.42 Panel Update-08.

Table 2: Glossary for Alert Rule Tables

Term	Definition
New	New rule that does not replace another rule.

Table 3: Processing of System-Defined Alert Rule Active/Inactive Flags

Status of Rule in customer Database before installation	Status of rule in software	Status in customer database after installation
Active	Active	Active
Active	Inactive	Inactive
Inactive	Active	Inactive

Table 4: Active Alert Rules in V4.42 PU-08

Code	Description	New
MEV_MMORG-PDM	Use turbidity inoculation for M. morganii with MEV if AS4 or manual read	New

Table 5: New Alert Rule Comments in V4.42 PU-08

Code	Description	New or Replacement
CONF MAN AS4	Confirm autoSCAN4 read manually	New
CONF MAN INST	Confirm instrument read manually	New

4 APPENDIX

4.1 APPENDIX A: LabPro Re-launch Error

If for some reason while launching Command Center (after the update) the **Unable to Launch Error** pop-up message appears (See Figure 17). LabPro V4.42 PU-08 didn't load properly (i.e. power failure). Insert the LabPro V4.42 PU-08 DVD into the drive. Start over with the installation from **2.4.1. Install LabPro V4.42 Panel Update-08 Software** section. If the software still doesn't load, contact MicroScan Technical Support.

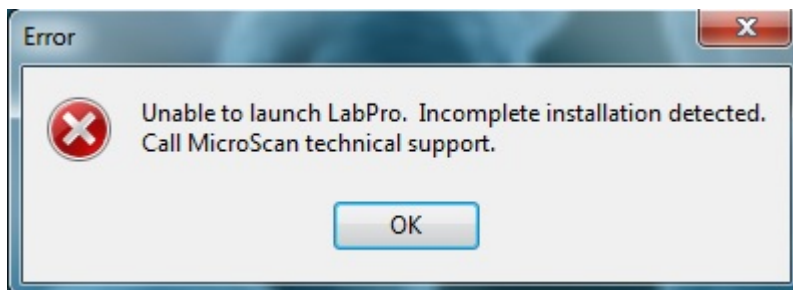


Figure 17: Unable to Launch Error