



Update Instructions Version B.40

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Introduction

This document provides procedures for the mandatory update of the BacT/ALERT® 3D Version B.40 Release software for the BacT/ALERT® 3D, BacT/ALERT® 3D Combination Module, and BacT/ALERT® 3D 60 instruments.

The updated software is now called “BacT/ALERT® 3D Version B.40.”

IMPORTANT: Carefully read the procedure before beginning the update. Be sure to perform all steps in the order they appear.

Typographic and Usage Conventions

Name and Titles

Button, icon and field names are in Proper Case, bold.

Example: Select the **Backup Management** button.

The names of windows and screens are in Proper Case, but are not bolded.

Example: From the Setup screen...

Select

The word “select” is generally used to select user interface navigation. This includes touching a button on the Controller Module Operator Panel, or using a mouse to choose or select a text entry field, button, or option.

Example: Select the **Next Screen** button.

Press

The word “press” is used to refer to pressing a key on the keyboard in order to initiate action in the firmware.

Keyboard entries are in Proper Case and bolded (for example, **Ctrl**). If two or more keys are to be pressed simultaneously, they will be separated with a plus sign (for example, press **Ctrl + Alt + Delete**). If keys are to be pressed in a certain order, they will be separated with a space (for example, **Esc Y E S**). In this case, do not press the spacebar.

User Input

Instructions for user input begin with the word “type” or “enter.” These instructions use bold for literal user input and italic for specific user input.

Example of a Literal User Input: Enter the Software Exit Password **41413131**

In this example, you are to type exactly what you see on the page (**41413131** in this example).

Example of a Specific User Input: Enter a valid *password*.

In this example, you are to type your assigned password.

Backup or Installation Media

Can either be a Zip® drive or a USB flash drive.

Backup Drive

Used for system backups and software updates. May be either a Zip® drive or a USB port, depending on your system configuration.

Requirements

- Update kit containing the BacT/ALERT® 3D Version B.40 Zip® disk, or B.40 USB flash drive, Update Instructions, Quick Reference Card, and Software Registration form.
- Blank Zip® disk or USB flash drive.
- Allow 30 to 45 minutes to complete this update procedure.

IMPORTANT: The BacT/ALERT® instrument MUST be using software Version B.30 for this update to be successful.

IMPORTANT: To ensure adequate customer support, bioMérieux highly recommends performing this update during local customer support hours.

Precautions

Follow the procedures provided in these instructions exactly. Deviations from these procedures may cause an unsuccessful update.

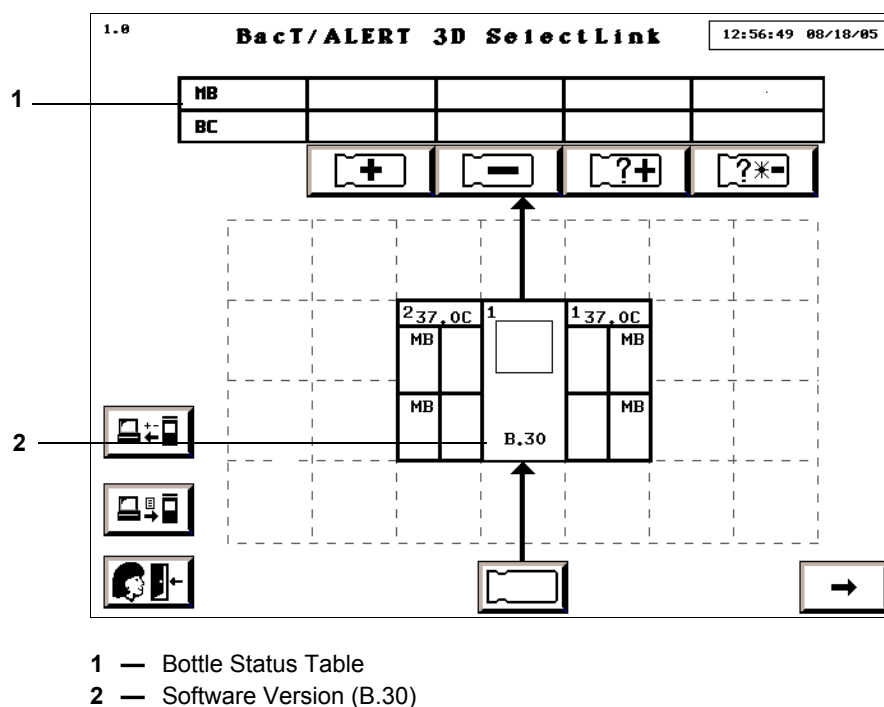
If any failure message appears or some unexpected event occurs, call your local bioMérieux representative immediately.

Updating Software

IMPORTANT: Please review all of the instructions before performing any action. If any difficulties are encountered, contact your local bioMérieux Representative.

1. Using Figure 1-1, record the numbers in the Bottle Status table on the Main screen. The contents of the bottle status table will be used as a reference after the update (see Verifying Software Update on page 10).

Figure 1-1: Main Screen with Blank Bottle Count Table (Version B.30)



IMPORTANT: Verify software version B.30 is displayed at the bottom of the Instrument icon on the Main screen.

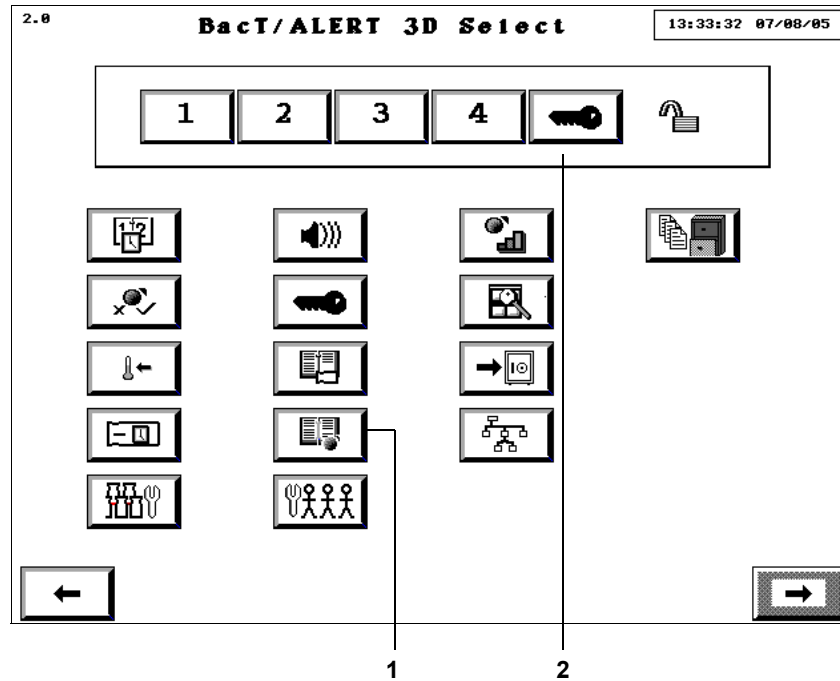
Note: Screens vary depending on software configuration.

The following steps are performed to record the bottle data for one bottle in each Incubation Module (or Incubation Chamber for 3D 60). This bottle data will be used to verify that information has transferred properly during the upgrade.

2. From the Main screen (see Figure 1-1), select the **Next Screen** button ().

The Setup screen appears.

Figure 1-2: Setup Screen



- 1 — Edit Cell Contents Button
2 — Key Symbol Button


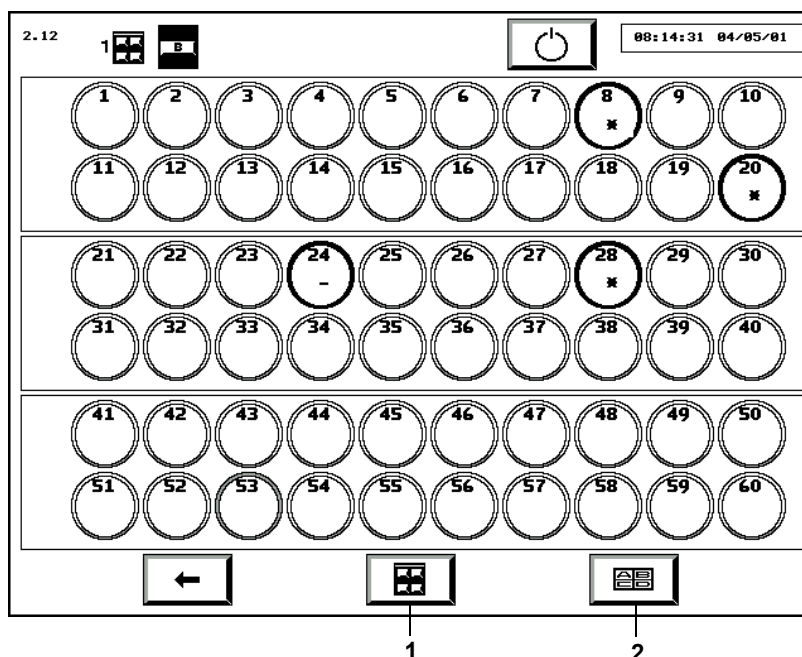
- ____ 3. From the Setup screen, enter the default password **1234** or your current *system password*.
- ____ 4. Select the **Key Symbol** button to accept the password.
- ____ 5. Select the **Edit Cell Contents** button ().
The Edit Cell Contents screen appears.

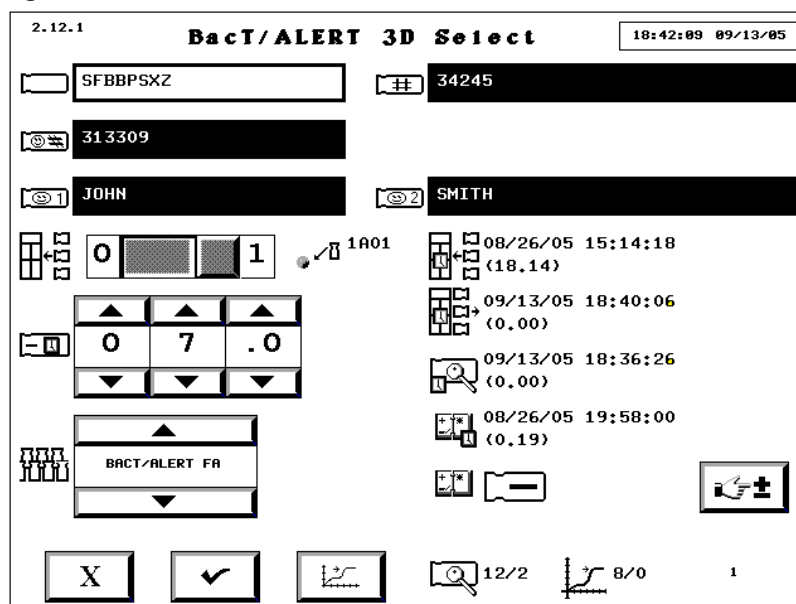
Figure 1-3: Edit Cell Contents Screen



- 1 — Incubation Module Selection Button (advances to the next Incubation Module)
 2 — Drawer Selection Button (advances to the next drawer in the incubator)


6. From the Edit Cell Contents screen (see [Figure 1-3](#)), select a cell with a black outlined circle around it and an asterisk inside the circle.
 The Edit Bottle Detail Screen appears.

Figure 1-4: Edit Bottle Detail Screen




Note: The screen heading will vary based upon your system configuration. Availability of demographic fields may vary based upon system configuration.

For BacT/ALERT® 3D 60 users, skip [Step 7](#) and go directly to [Step 8](#).


- _____ 7. If there are no bottles in Drawer A, select the **Drawer Selection** button () until a drawer is located that contains a bottle.
- _____ 8. Using the blank copies of the Edit Bottle Detail screen provided in [Recording Bottle Data](#) starting on [page 13](#), record the bottle data in the blank fields for only one bottle in each Incubation Module (or Incubation Chamber for BacT/ALERT® 3D 60).

If you have a printer connected to your BacT/ALERT® 3D Controller Module, Combination Module, or 3D 60 instrument, you may use the Print Screen function (**Ctrl + P**) to print the Edit Bottle Detail screen.

- _____ 9. After recording bottle data, select the **Cancel** button ().

The Edit Cell Contents screen appears (see [Figure 1-3](#)).

[Step 10](#) and [Step 11](#) apply to BacT/ALERT® 3D Controller Modules with more than one Incubation Module, and to Combination Module users with one or more additional Incubation Modules. For BacT/ALERT® 3D 60 users, proceed to [Step 12](#).

- _____ 10. From the Edit Cell Contents screen, select the **Incubation Module Selection** button () to advance to the next incubator.
- _____ 11. Repeat [Step 7](#) through [Step 10](#) for each Incubation Module that is connected.
- _____ 12. Retain the data recorded in [Step 1](#) and [Step 8](#). This bottle data will be used to verify that all information has transferred properly during the upgrade (see [Verifying Software Update on page 10](#)).
- _____ 13. If you have a BacT/ALERT® 3D connected to an OBSERVA® or BacT/VIEW® computer, you must shut down the data management software before terminating the BacT/ALERT® 3D software. Perform one of the following shutdown options (depending on your type of data management software). For BacT/ALERT® 3D 60 users, proceed to [Step 14](#).
- To exit the OBSERVA® software:
 - a. Log in to OBSERVA®.
 - b. Select **File** and **Exit**.
 - c. In the Dialog box, select **YES**.
 - To exit the BacT/VIEW® software:
 - a. Log in to the BacT/VIEW® computer with an unrestricted password.
 - b. Select **Monitor** in upper-left corner of the screen.
 - c. From the drop-down menu, select **Exit BacT/VIEW software**.
 - d. In the Dialog box, select **YES**.

IMPORTANT: Do not restart the data management software until the upgrade is complete and the BacT/ALERT® 3D software has been restarted.

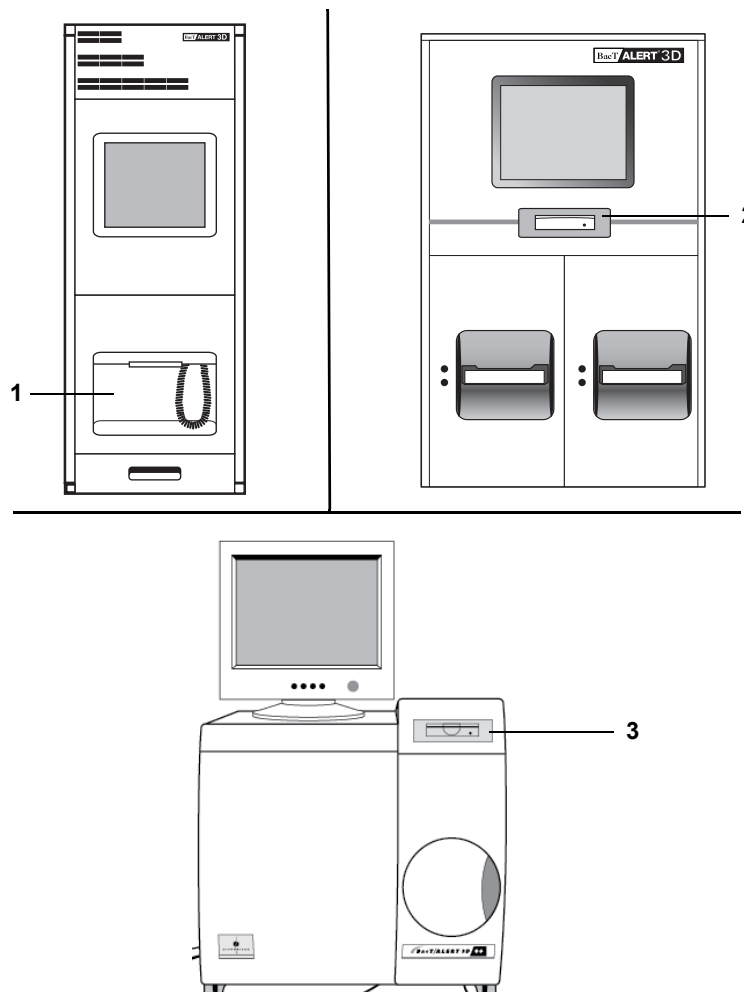


CAUTION: To avoid Instrument Fault Code 80 (Reading Gap Detected), bioMérieux recommends performing [Step 14](#) through [Step 25](#) in less than one hour.

14. Insert the Zip® disk or USB flash drive labeled “BacT/ALERT® 3D Installation and Utilities Version B.40” in the Zip® drive or USB port located in the instrument (see [Figure 1-5](#)).

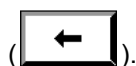
IMPORTANT: To ensure a successfully updated instrument, **DO NOT** remove the installation media until [step 27](#).

Figure 1-5: BacT/ALERT® 3D and 3D 60 Zip® Drive or USB Location



- 1 — Controller Module Zip® or USB flash drive (located behind Bar Code Reader)
- 2 — Combination Module Zip® or USB flash drive
- 3 — 3D 60 Zip® or USB flash drive

- ____ 15. From the Edit Cell Contents screen, (see [Figure 1-3](#)) select the **Previous Screen** button



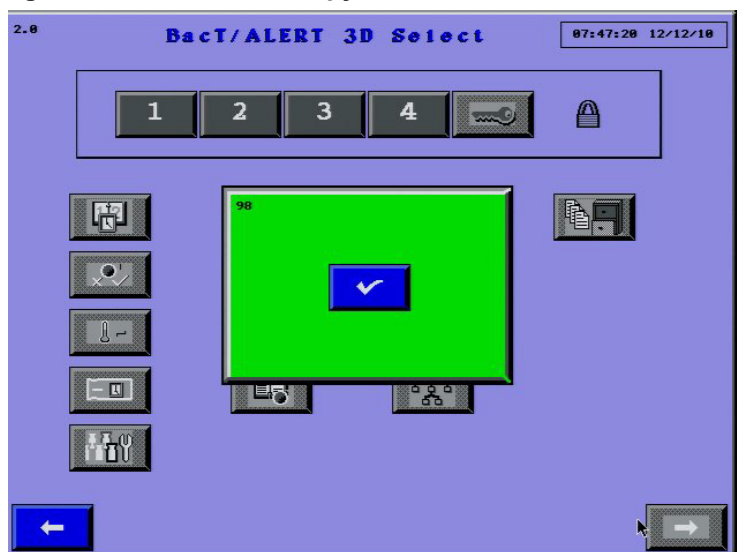
The Setup screen appears (see [Figure 1-2](#)).

- ____ 16. From the Setup Screen, enter the install password **41413131**.
____ 17. Select the **Key Symbol** button to accept the password.

The files on the Zip® disk or USB flash drive will copy to the instrument.

- ____ 18. If a green box with a check mark appears (see [Figure 1-6](#)), the copy was successful. Proceed to [Step 22](#).

Figure 1-6: Successful Copy




- ____ 19. If the copy was unsuccessful, an Instrument Status Code 820 appears (see [Figure 1-7](#)).

Figure 1-7: Unsuccessful Copy



- _____ 20. Remove the Zip® disk or USB flash drive labeled "BacT/ALERT® 3D Installation and Utilities Version B.40" and re-insert into the drive.
- _____ 21. Repeat [Step 16](#) through [Step 18](#).

Note: *If Instrument Status Code 820 occurs again, contact your local bioMérieux Representative.*

- _____ 22. Press the **Check** button ().
- _____ 23. On the BacT/ALERT® 3D instrument keyboard, press each key in the order listed to terminate the software: **Esc Y E S** (the screen will not change until all keys are pressed).
- _____ 24. Restart the BacT/ALERT® 3D instrument and software by pressing **Ctrl + Alt + Delete**.

The system will automatically reboot and install the B.40 update files from the Zip® disk or USB flash drive.

IMPORTANT: *To ensure a successfully updated instrument, DO NOT remove the installation media until [step 27](#).*

Note: *The installation process may take up to ten minutes. Should the process exceed this time frame, contact bioMérieux for assistance.*

Note: *A 710 Instrument Status Code appears after the software reboots. As soon as the Incubation Modules are ready for operation, the 710 message will disappear.*

- _____ 25. If a red Informational Warning screen appears (see [Figure 1-8](#)), press **Y** on the keyboard and immediately contact your local bioMérieux representative.

Note: *This Informational Warning screen indicates that the BIOS clock setting is incorrect.*

Figure 1-8: Informational Warning Screen

```
* INFORMATIONAL WARNING!
* Call bioMérieux, bottle readings may be affected by starting the system
* On the keyboard press 'Y' to start the system or 'N' to return to DOS
* The year of BIOS date is set to a value that may be incorrect
* Current BIOS date setting: 01/14/2008 18:20:14
* After returning to DOS and rebooting, set the Bios time to GMT/UTC
* The system will start after 5 minutes if neither key is pressed
* Do you wish to start the system (Y/N)?
```

- _____ 26. If you have a BacT/ALERT® 3D connected to an OBSERVA® or BacT/VIEW® computer, restart the data management software using one of the following restart options (depending on your type of data management software).

- To restart the OBSERVA® software: double-click the **OBSERVA** icon to launch the database management software.
- To restart the BacT/VIEW® software: double-click the **BacT/VIEW** icon to restart the database management software.

If the pcAnywhere® screen appears, minimize the screen and double-click the **BacT/VIEW** icon.

- _____ 27. Remove and store the "BacT/ALERT® 3D Installation and Utilities Version B.40" Zip® disk or USB flash drive where it can be easily found and accessed at any time by operators or field service personnel.

- ____ 28. Discard all previous versions of the Installation and Utilities Disk or USB flash drive.

Table 1: Installation and Utilities Disk or USB flash Drive- Previous Versions

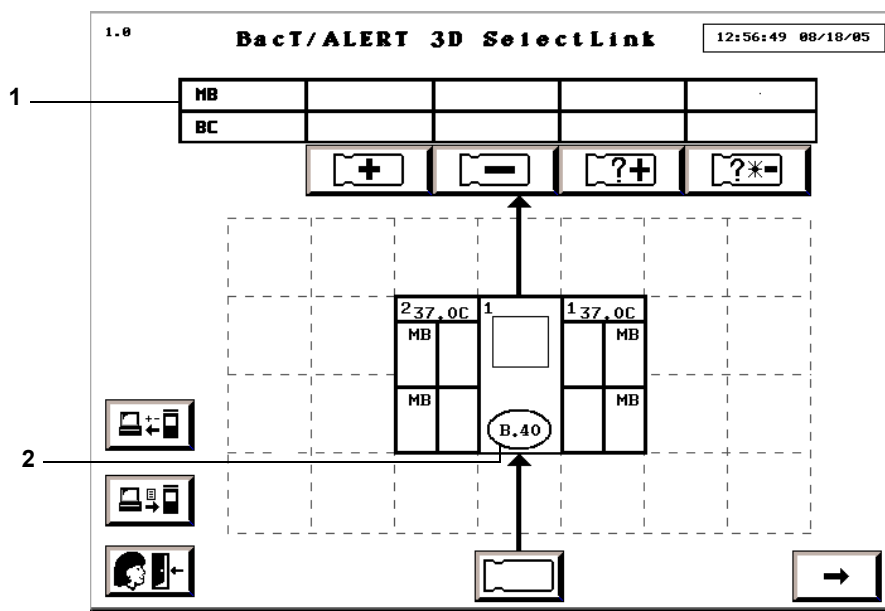
Description	Part Number
BacT/ALERT® 3D Installation and Utilities Disk Version B.12	22150-14
BacT/ALERT® 3D Installation and Utilities Disk Version B.25	514490-2 or 514490-3
BacT/ALERT® 3D Installation and Utilities Disk Version B.25 2008 Release	514490-4
BacT/ALERT® 3D Installation and Utilities Disk Version B.30	514675-1
BacT/ALERT® 3D Installation and Utilities Version USB flash drive B.30	514670-1

Note: The BacT/ALERT® 3D Installation and Utilities Version B.40 media is the only installation media remaining with the system.

Verifying Software Update

- ____ 1. Software version **B.40** is displayed at the bottom of the Instrument icon on the Main screen (see [Figure 1-9](#)). Contact your local bioMérieux representative if software version **B.40** does not appear on the Main screen.

Figure 1-9: Main Screen with Blank Bottle Count Table (Version B.40)






- 1 — Bottle Status Table
2 — Software Version (B.40)

Note: Screens vary depending on software configuration.

- _____ 2. Using the bottle count data recorded from the Main screen in [Step 1](#) (see [Figure 1-1 on page 3](#)), verify that the bottle counts on the Main screen did not change. If there is a difference in the data recorded and the data currently displayed, call your bioMérieux representative.
- _____ 3. Using the bottle data recorded for each Incubation Module (or Incubation Chamber) in [Step 8](#) (see [page 6](#)) verify the bottle data fields from the Edit Bottle Detail screen did not change. If there is a difference in the data recorded and the data currently displayed, call your bioMérieux representative.
- _____ 4. Complete the Software Registration form included with your new software and return the completed form to bioMérieux via mail or fax. The return information is listed at the bottom of the form.
- _____ 5. The software update and verification is now complete. Continue to the next section if you would like to perform an optional system backup.

Performing System Backup (Optional)

If the upgrade is successful, you may perform the following steps to create a backup of the system (see the topic, *Initiating Manual Backup* in the *BacT/ALERT® 3D User Manual*, or the *BacT/ALERT® 3D 60 User Manual*).

- _____ 1. Label the blank Zip® disk or USB flash drive “B.40 Backup.”
- _____ 2. Insert the backup media located in the BacT/ALERT® 3D Controller Module, BacT/ALERT® 3D Combination Module, or the BacT/ALERT® 3D 60 (see [Figure 1-5](#)).
- _____ 3. From the Main screen (see [Figure 1-9](#)), select the **Next Screen** button ().
The Setup screen appears (see [Figure 1-2](#)).
- _____ 4. From the Setup screen, enter the default password **1234** or your current *system password*.
- _____ 5. Select the **Key Symbol** button to accept the password.
- _____ 6. From the Setup screen, select the **Backup Management** button ().
The Backup Management screen overlays and disables the Setup screen.
- _____ 7. From the Backup Management screen, select the **Manual Backup** button ().

The system returns to the Setup screen (see [Figure 1-2](#)).

Note: If automatic backup is enabled, the system will remain at the Backup Management screen.

If Instrument Status Code 810 appears, check for a missing Zip® disk or USB flash drive. If the backup media is missing, install a Zip® disk in the drive or USB flash drive in the USB port and repeat [Step 1](#) through [Step 7](#).

If Instrument Status Code 810 occurs while a Zip® disk or USB flash drive is inserted, it is possible that the media is defective. Replace with a new Zip® disk or USB flash drive and repeat [Step 1](#) through [Step 7](#).


Note: While the system backup is in progress, the **Backup In Progress** icon (see [Figure 1-10](#)) will appear in the upper left corner of the Backup Management and Main screens. The icon will disappear every five seconds for half a second. This backup will take approximately 15 to 30 minutes to complete.

Figure 1-10: Backup In Progress Icon



Note: If the backup fails, contact your bioMérieux representative.

Note: If Instrument Fault Code 19 occurs, contact bioMérieux immediately. System performance may be compromised.

- _____ 8. Select the **Previous Screen** button () to return to the Main screen.
- _____ 9. Remove the Zip® disk or USB flash drive labeled “B.40 Backup” from the drive and store in a secure location where it can be easily located and accessed at any time by operators or field service personnel.
- _____ 10. System backup is now complete.

Technical Support

For US customers: Contact Customer Service at 800-682-2666 (Clinical Laboratories) or 800-634-7656 (Industry Laboratories).

For customers outside the US: Contact your local bioMérieux representative.

Recording Bottle Data

Blank Edit Bottle Detail screens are provided for recording bottle data for Incubation Modules 1 through 6.

Note: An extra blank Edit Bottle Detail screen is also provided.

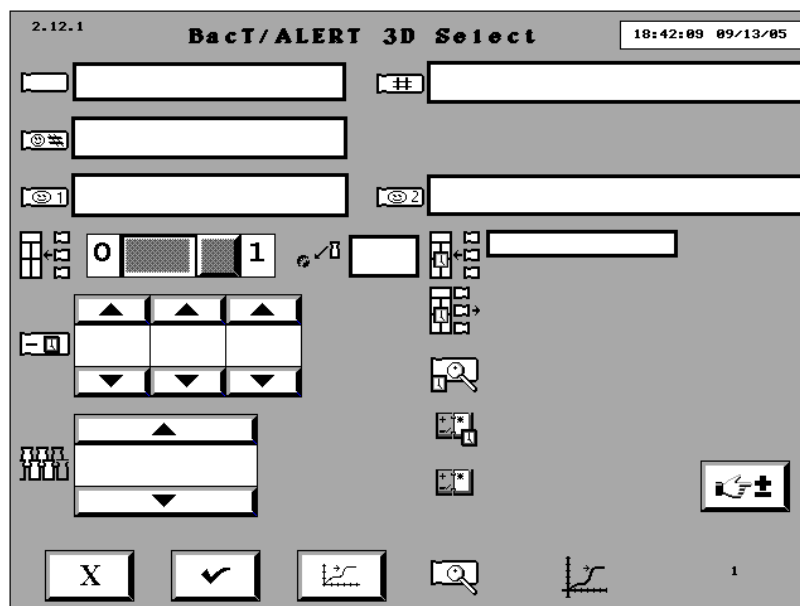
Incubation Module 1

[illegible]

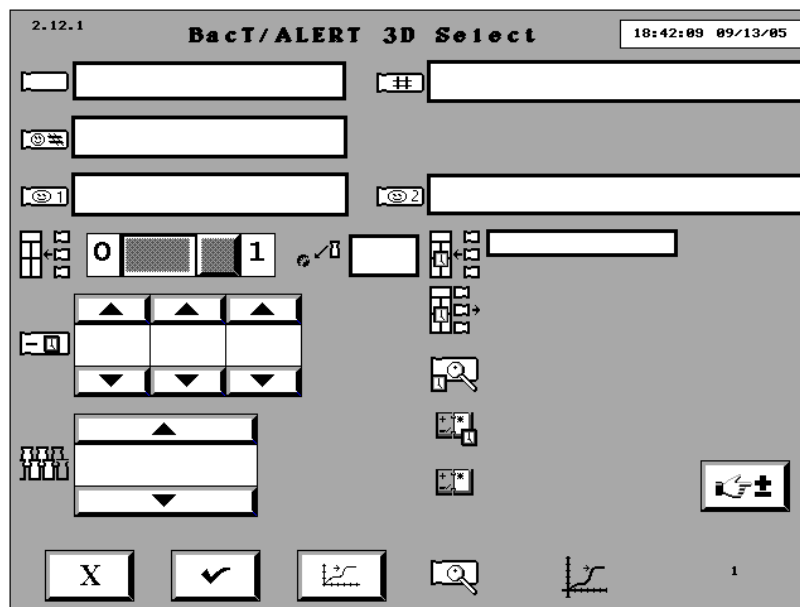
Incubation Module 2

The screenshot displays the BacT/ALERT 3D Select interface. At the top, the title "BacT/ALERT 3D Select" is centered, and a timestamp "18:42:09 09/13/05" is in the top right. The interface includes several input fields and control buttons. On the left, there are three large rectangular buttons with icons: a blank box, a box with a hash symbol (#), and a box with a smiley face and the number 1. Below these are three smaller buttons with icons: a box with a hash symbol and the number 1, a box with a smiley face and the number 2, and a box with a hash symbol and the number 2. In the center, there are three buttons with icons: a box with a hash symbol and the number 1, a box with a smiley face and the number 2, and a box with a hash symbol and the number 2. On the right, there are three buttons with icons: a box with a hash symbol and the number 1, a box with a smiley face and the number 2, and a box with a hash symbol and the number 2. At the bottom, there are four buttons with icons: a box with a hash symbol and the number 1, a box with a smiley face and the number 2, a box with a hash symbol and the number 2, and a box with a smiley face and the number 2. A small icon of a person with a plus sign is in the bottom right corner.

Incubation Module 3



Incubation Module 4



Incubation Module 5

The screenshot displays the BacT/ALERT 3D Select interface. At the top, the title "BacT/ALERT 3D Select" is centered, and a timestamp "18:42:09 09/13/05" is in the top right. The interface includes several input fields and control buttons. On the left, there are three large rectangular buttons with icons: a blank box, a box with a smiley face and hash, and a box with a smiley face and the number 1. Below these are three smaller buttons with icons of a person, a person with a plus sign, and a person with a minus sign. In the center, there are three buttons with icons of a person, a person with a plus sign, and a person with a minus sign. To the right of these are three large rectangular buttons with icons: a box with a hash, a box with a smiley face and hash, and a box with a smiley face and the number 2. Below these are three buttons with icons of a person, a person with a plus sign, and a person with a minus sign. At the bottom, there are four buttons: a button with the letter "X", a button with a checkmark, a button with a graph icon, and a button with a magnifying glass icon. A small "1" is visible in the bottom right corner.

Incubation Module 6

[illegible]

Incubation Module ____

