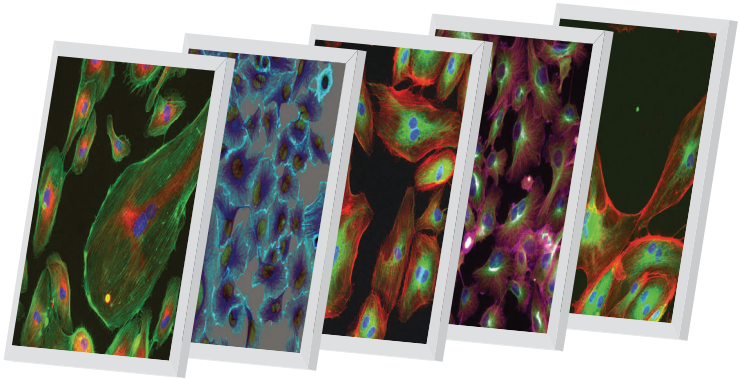
Thermo Scientific Cellomics® BioApplication

Installation Guide



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Thermo SCIENTIFIC

Cellomics® BioApplication Installation Guide

PUBLISHED BY

Thermo Fisher Scientific Inc.
100 Technology Drive
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Telephone: (412) 770-2200

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Introduction

This guide describes the installation requirements and procedures for installing a Cellomics® BioApplication. This guide outlines the hardware and software requirements and walks you through the installation procedures.

About this Guide

The chapters that follow this introduction are described below.

Chapter 1 describes the hardware and software requirements, preparation procedures, and procedures for installing a Cellomics BioApplication.

Chapter 2 describes how to contact Thermo Fisher Scientific for sales or technical support information.

Conventions

This guide assumes that you have a basic knowledge of computers using Microsoft® Windows® operating system and that you have experience working with windows, menus, commands, buttons, tabs, dialog boxes, and other Microsoft Windows elements. If you are unfamiliar with these terms, please refer to Microsoft Windows documentation.

Throughout this guide certain terminology, conventions, and symbols are used consistently. These conventions are described below.

Terminology

Term	Definition
Click	This term means to place the mouse pointer over the item, then depress and release the primary mouse button (usually the left button) in one quick motion
Right-click	This term means to place the mouse pointer over the item, then depress and release the secondary mouse button (usually the right button) in one quick motion
Double-click	This term means to place the mouse pointer over the item, then depress and release the primary mouse button twice in quick succession.
Drag	This term means to place the mouse pointer over the item, depress and hold down the left mouse button, move the pointer (and the object) to some target location, then release the mouse button.
Press	This term means to push and release a key on the keyboard. For example, press the Tab key.
Shift Ctrl Alt	When any of these terms appear before any of the above terms, it means to hold down the specified keyboard key while taking the hyphenated action. Thus, Shift-click means to hold down the Shift key while clicking an item.
Shortcut menu	This is a menu that appears when you right-click an item.

Typographical Conventions

Menu names, menu items, buttons, and options appear in bold type. For example: “Click the **Next** button to continue the installation”.

Window titles, dialog box names, menu names, and option names are printed in bold and all begin with uppercase letters. For example: “Select **Yes** to accept the terms.”

Symbols

The following symbols appear throughout the documentation in order to draw your attention to important information such as operating tips and suggestions, as well as the presence of hazards.

Symbol	Description
	WARNING A potentially hazardous situation, which, if not avoided, could result in serious injury or death. When this symbol appears on equipment, consult product documentation to identify the nature of any potential hazard and determine the actions to perform.
NOTE 	A tip, suggestion, or additional information.

Chapter
1

Installing a Cellomics BioApplication

This chapter describes the system requirements and installation procedures for installing a Cellomics BioApplication on a Cellomics ArrayScan® HCS Reader computer or a Cellomics vHCS™:Discovery Toolbox client computer.

The BioApplication Installation Package contains the following items:

- 1 BioApplication Software Installation CD
- One or more Protocol/Test Images CDs for all licensed BioApplications

System Requirements

Before installing the Cellomics BioApplication, check that you have the following required items before continuing:

Hardware Requirements

- Cellomics ArrayScan HCS Reader computer
  -or-
  vHCS:Discovery Toolbox client computer

Software Requirements

- The user who logs on to the computer to perform the installation must have administrative rights on the local computer, and access to Cellomics Store database if you connect to a Cellomics Store database for data storage. Contact your IT Department to determine if you have administrative rights.

Required Installation Preparation Procedures

Prior to installing the BioApplication software, please perform the following required installation preparation procedures.

Connecting to Cellomics Store

If you connect to Cellomics Store for data storage, the computer must be connected to Cellomics Store at the time of installation of the BioApplications. If the computer is set to Standalone Mode, but you use Cellomics Store, you must run the HCS Administrator application to configure the connection to Store prior to installing the BioApplication. Please refer to the *HCS Administrator* online help for instructions.

Obtaining a Computer Code

During the installation, the Computer Code screen will appear. This screen displays a unique code identifying the installation. In order to run the BioApplication software, you must email the code to Thermo Fisher by following the instructions on screen. When emailing the code, please include your name, company name, telephone number, and email address. This information will help expedite your installation. Once Thermo Fisher receives your code, you will receive a license key along with instructions for installing the license key file. This key is required in order to open and run the BioApplication software following installation. In addition, if the **Licensed** checkmark is not checked in the BioApplication Installer (refer to figure on following page), you must contact Technical Support to obtain a license key to install the BioApplications.

Installing the BioApplication Software

After performing the required installation preparation procedures, you are ready to install the BioApplication. The BioApplication software can be installed directly on an ArrayScan HCS Reader computer or on a vHCS:Discovery Toolbox computer.

To run the installation program,

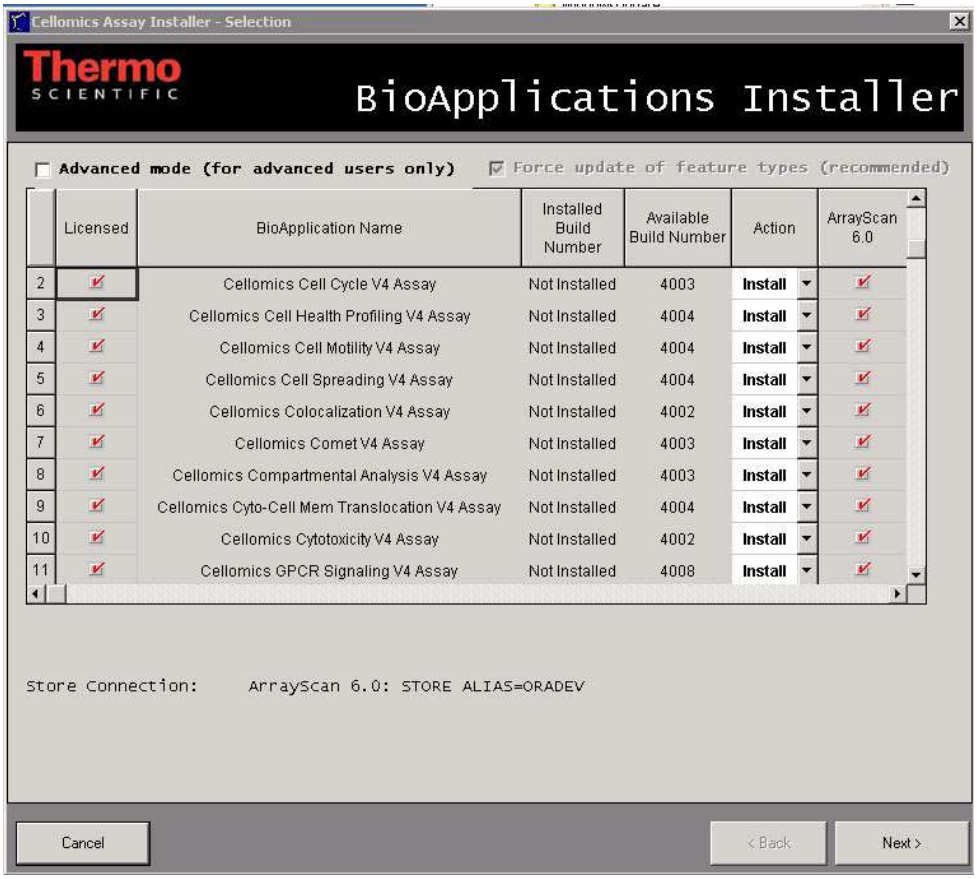
1) Insert the BioApplication Software CD into your CD-ROM drive.

2) If the CD does not automatically run, navigate to the CD-ROM drive, and double-click '**setup.exe**'.

The following message will appear reminding you that you must have Administrative privileges in order continue the installation.

4) If you have confirmed that you have Administrative privileges, click the **Yes** button to continue. If you click No, you will not be able to install the BioApplication, but you can still view the list of installed or available BioApplications.

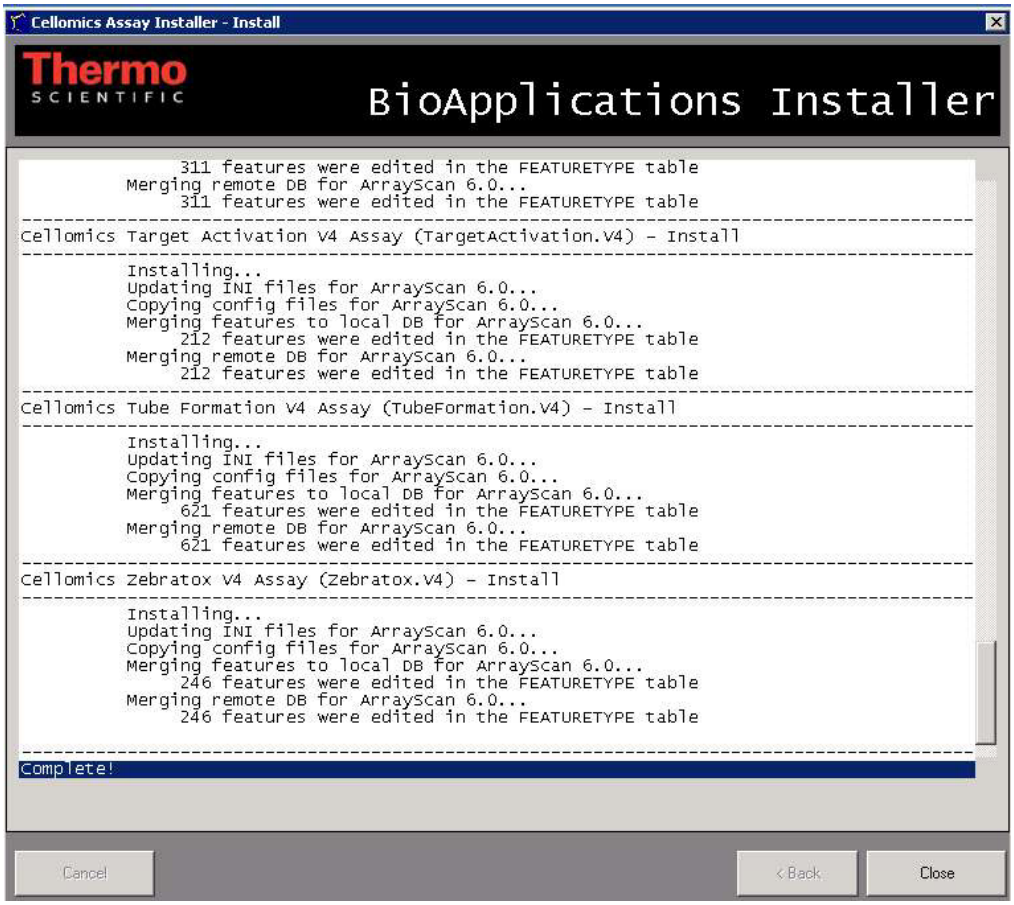
The BioApplications Installer Selection screen will appear. Installation of the V4 BioApplications is used as an example.



The **Advanced mode** checkbox is unchecked by default. Advanced mode is only used when you are upgrading your existing BioApplication **and** you have customized your existing BioApplication using the System Configuration Tool (asnsystem.exe). If this scenario applies to you and you wish to preserve the customized settings, check the **Advanced Mode** checkbox and clear the **Force update of feature types** checkbox. If you do not do this, you will lose your customized settings.

5) Click the **Next** button. A message box will appear showing the progress of the installation.

6) After the installation is complete, the following screen will show the results of the installation.



7) Click the **Close** button to complete the BioApplication software installation.

Importing the BioApplication Protocols

Your installation package includes one or more BioApplication Protocol/Test Images CDs containing the protocols and test images, and plate map files for the BioApplications. This section describes how to access the protocols.

Importing Assay Protocols for ArrayScan HCS Reader versions x.5 and higher

To access the Assay Protocols, you can use the Bulk Import feature of the Protocol Manager.

To import the Assay Protocols,

1) Insert the Master BioApplication Protocol CD into your CD-ROM drive and browse to the desired ArrayScan folder.
2) Open the ArrayScan software application.
3) From the **File** menu, select **Manage Protocols…** The Manage Protocols window appears.
4) From the **Tools** menu of the Manage Protocols window, select **Bulk Import**.
5) Browse to the CD containing the protocol files.
6) Select the protocol files. To import more than one Assay Protocol, press and hold the **CTRL** key while selecting multiple protocol files.
7) Click **Open** to import the Assay Protocols.

Accessing BioApplication Test Images

A series of test images is provided as part of the BioApplication installation package. This section describes how to access the test images.

In order to access the test images, you can open the images directly from the CD or you can copy the test images from the CD to your hard drive. These instructions are provided below.

Copying the Test Images

You can copy the test images from the BioApplication Protocol/Test Images CD to your local hard drive.

To copy the test images,

1) Insert the desired BioApplication Protocol/Test Images CD in your CD-ROM drive.
2) Navigate to the CD-ROM drive.
3) Select the **TestImages** folder.
4) Copy the contents of the **TestImages** folder to the desired hard drive location. Note that a significant amount of disk space may be needed. It is recommended that you copy this

folder within the Test Images folder of your ArrayScan or vHCS:Scan folder and rename the TestImages folder using the BioApplication name.

Alternatively, you can simply access the images directly from the CD-ROM for future use.

Accessing the BioApplication Plate Map File

For many BioApplications, a plate map file is included as part of the BioApplication installation package. The plate map file is a Microsoft Word document that provides information on the plate preparation method used to capture the test images. This section describes how to access the plate map file from the CD.

To access the plate map file,

1) Insert the desired BioApplication Protocol/Test Images CD in your CD-ROM drive.

2) Navigate to the CD-ROM drive.

3) Open the test images plate map file.

If you cannot access the plate map file, please contact Technical Support for assistance Please note that some BioApplications do not have a plate map file. Only those BioApplications that ship with a full set of images contain a plate map file.

Chapter
2

Contacting Technical Support

Contacting Technical Support

If you have a technical question that you are unable to answer after consulting the documentation, please contact Technical Support.

Thermo Fisher Scientific
100 Technology Drive
Pittsburgh, Pennsylvania 15219
U.S. Toll-free: (800) 432-4091
Main: (412) 770-2200
Fax: (412) 770-2450
e-mail: HCStechnicalsupport@thermofisher.com

For European assistance, contact:
Main: +44 (0)118 988-0262 Fax: +44 (0)118 988-0362

Before contacting Technical Support for service or support, it is helpful if you are prepared to answer the following questions:

- What were you doing when the problem occurred?
- Can you reproduce the problem?
- Did you try to solve the problem? If so, what steps did you take and what did you observe?
- Which error messages, if any, appeared?

Having these answers will help us provide you with a solution as quickly as possible.

Documentation Feedback

Thermo Fisher Scientific is committed to providing you with the highest quality product documentation and online help and we welcome comments and suggestions for improvement. Before emailing your feedback to us, it is helpful if you include the following information:

- For printed manuals, provide the document title and part number. The part number can be found at the bottom of the Copyright Notices page.
- For online help, provide the product name and version number.
- Indicate page number for printed manuals or topic title for online help.
- Comments: Please feel free to comment on the organization, clarity, content, utility, index, search capabilities, or physical characteristics such as the manual size, binding, fonts, etc.
- Suggestions: Please provide suggestions, if possible, on how to correct or improve the documentation or online help.

Email feedback to: **HCStechnicalsupport@thermofisher.com**

Please indicate “Documentation Feedback” in the email Subject field.