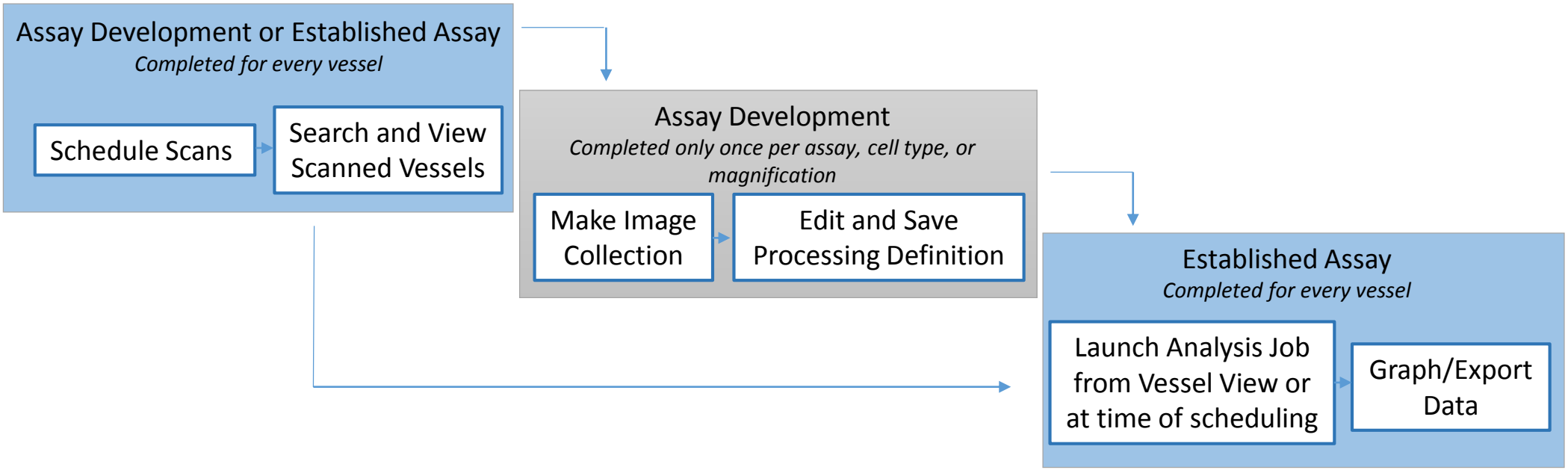
The IncuCyte™ ZOOM Quick Start Guide

- Use this guide to easily navigate through the IncuCyte™ ZOOM software by following the numerical steps in each diagram.
- Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips.
- Consult the User Manual under the Help menu for complete details.
- Modular Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/
- This quick start guide was created using GUI version 2014A. Check the GUI version under Help→About menu. Contact sales@essenbio.com to upgrade software.

Data Analysis Overview



8000-0274-A00

Set up Experiments: ZOOM Hardware

3. Open the Drawer
- Press the Eject Button
- Carefully place vessel in tray making sure that it is secure and sitting flat
- Do not open if the light is green

1. Check the LCD panel
- Make sure nothing is scanning before opening the incubator
- Check that the objective on the LCD screen matches the objective in step 2.

2. Check the Objective
- Open the optics panel by pushing down and pulling forward
- To change the objective in software, click on the "Administer" → "Optics Reconfiguration" tab.

Follow these tips to ensure high image quality

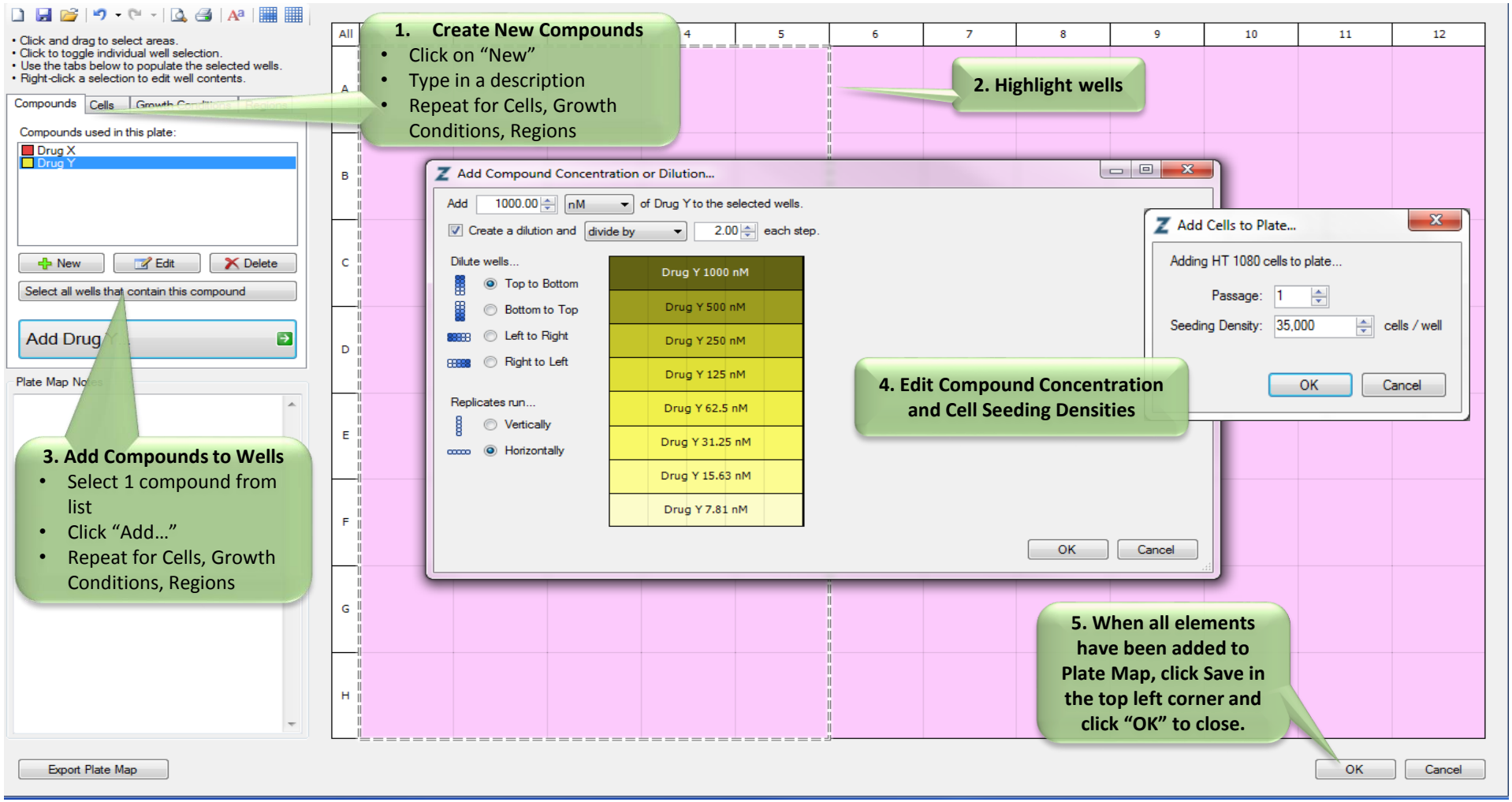
- Carefully wipe drops of media or other liquid on outside tops/lids of vessels
- Avoid touching the tops or bottoms of vessels. Hold vessels by the sides.
- Avoid using vessels with a lot of scratches/debris on them
- Do not write labels on the tops of vessels. Label vessels on the sides or very edges where imaging will not occur.
- Make sure lids are tightly fastened onto the flasks
- Be sure vessel is securely seated in the tray.
- Allow plate to warm up for about 30min in the incubator before scanning.

Schedule Scans → Search and View Scanned Vessels → Make Image Collection → Edit and Save Processing Definition → Launch Analysis Job from Vessel View or at time of scheduling → Graph/Export Data

Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips. Consult the User Manual under the Help menu for complete details.
Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/
This Quick Start Guide was created using GUI version 2014A. Check the GUI version under Help → About menu. Contact sales@essenbio.com to upgrade software.

Plan Experiments: Plate Map Editor

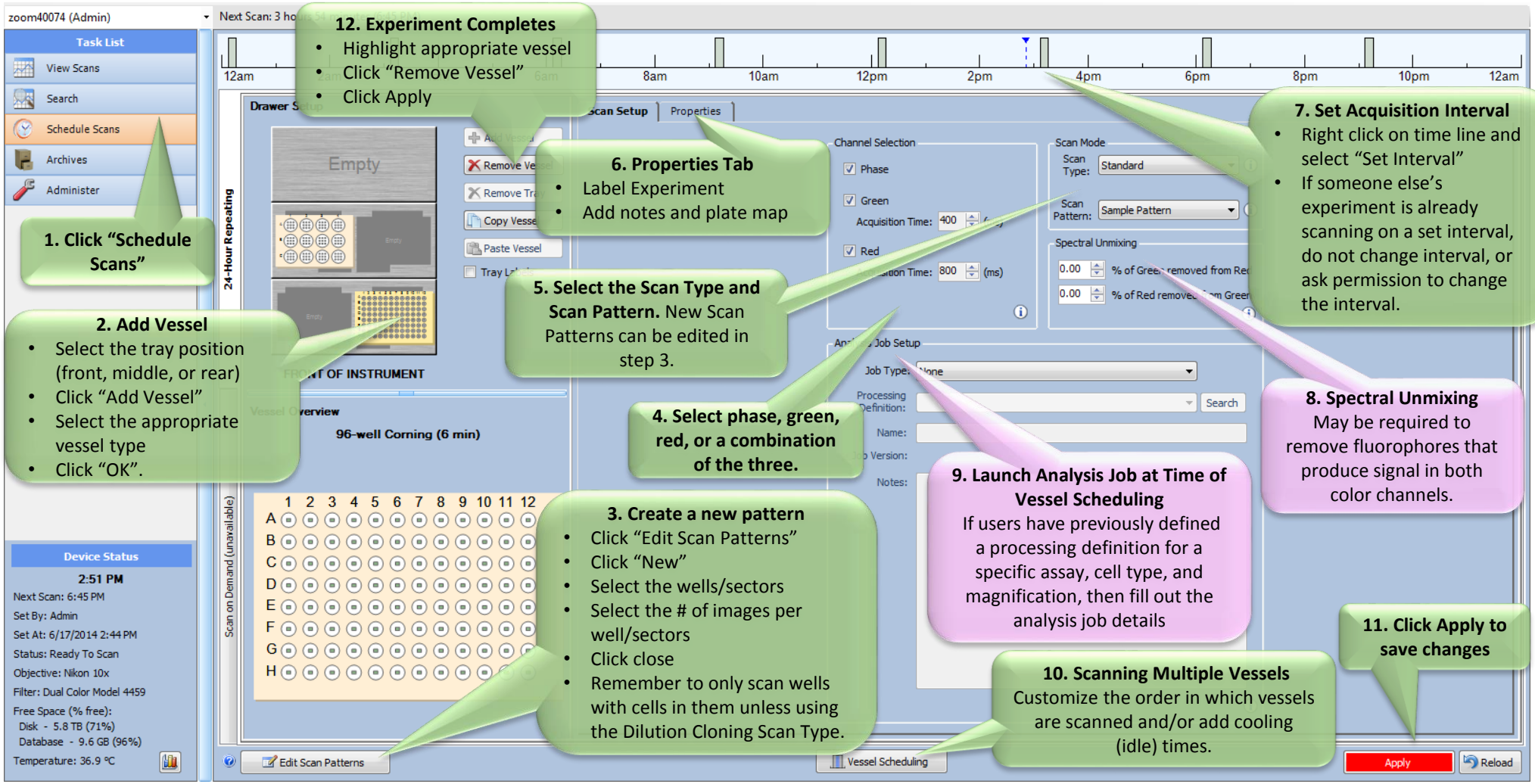
Open the Plate Map editor using the desktop shortcut icon  **or under the properties tab in Schedule Scans or Vessel View**



Schedule Scans → Search and View Scanned Vessels → Make Image Collection → Edit and Save Processing Definition → Launch Analysis Job from Vessel View or at time of scheduling → Graph/Export Data

Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips. Consult the User Manual under the Help menu for complete details.
Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/
This Quick Start Guide was created using GUI version 2014A. Check the GUI version under Help → About menu. Contact sales@essenbio.com to upgrade software.

Schedule Scans



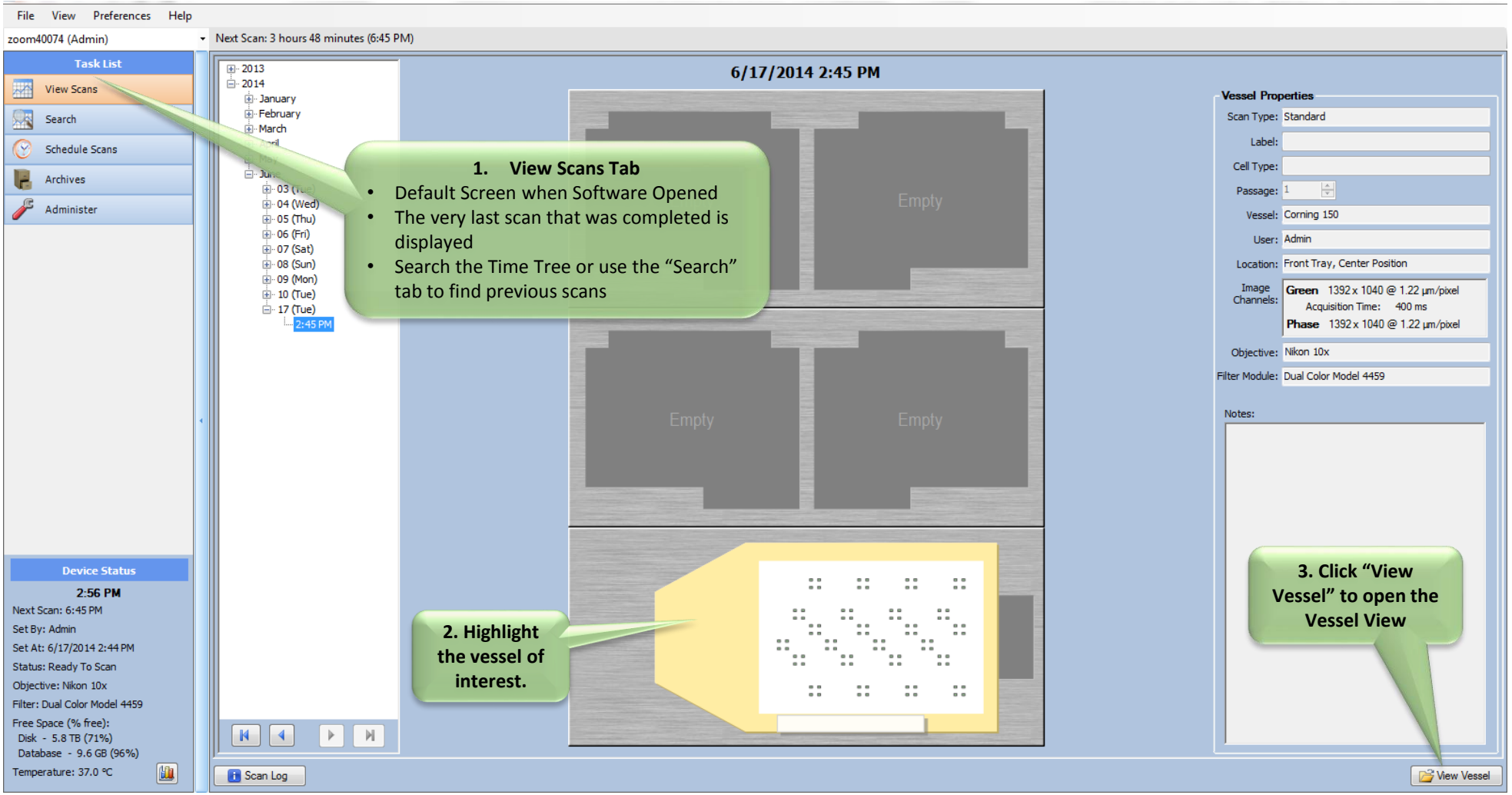
Schedule Scans → Search and View Scanned Vessels → Make Image Collection → Edit and Save Processing Definition → Launch Analysis Job from Vessel View or at time of scheduling → Graph/Export Data

Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips. Consult the User Manual under the Help menu for complete details.

Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/

This Quick Start Guide was created using GUI version 2014A. Check the GUI version under Help → About menu. Contact sales@essenbio.com to upgrade software.

Search and View Scanned Vessels



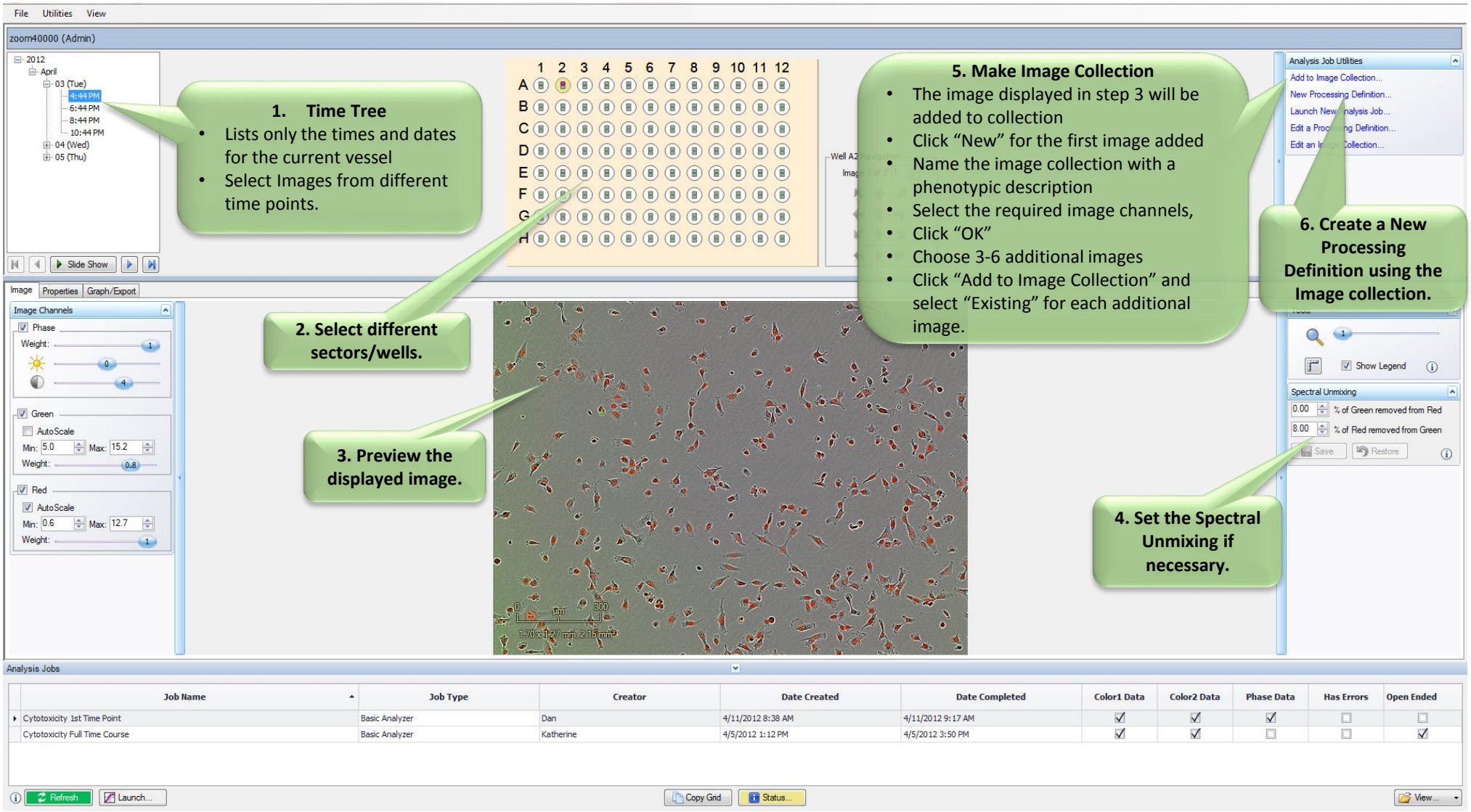
Schedule Scans → Search and View Scanned Vessels → Make Image Collection → Edit and Save Processing Definition → Launch Analysis Job from Vessel View or at time of scheduling → Graph/Export Data

Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips. Consult the User Manual under the Help menu for complete details.

Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/

This Quick Start Guide was created using GUI version 2014A. Check the GUI version under Help → About menu. Contact sales@essenbio.com to upgrade software.

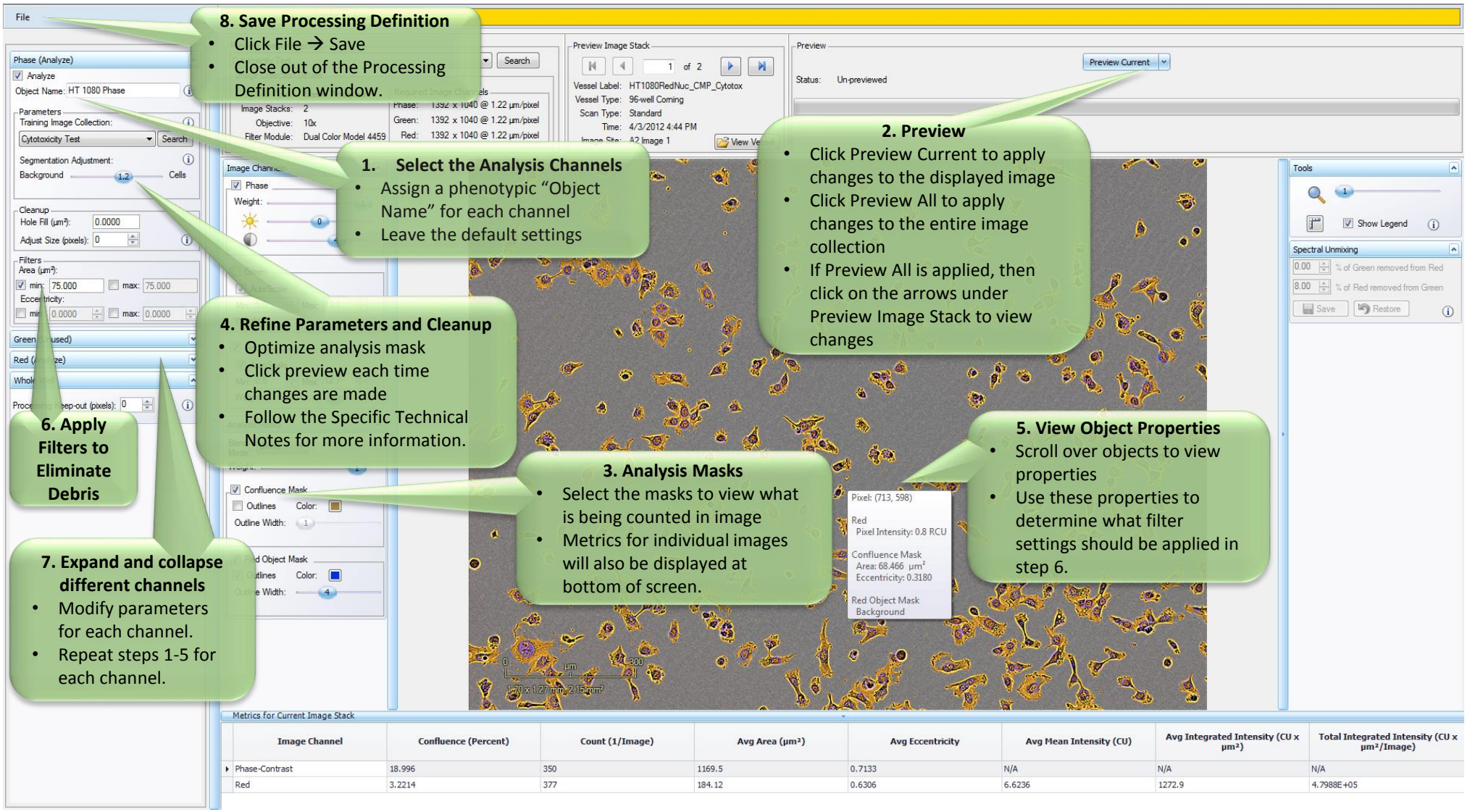
Vessel View: Make Image Collection



Schedule Scans → Search and View Scanned Vessels → Make Image Collection → Edit and Save Processing Definition → Launch Analysis Job from Vessel View or at time of scheduling → Graph/Export Data

Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips. Consult the User Manual under the Help menu for complete details.
Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/
This Quick Start Guide was created using GUI version 2014A. Check the GUI version under Help → About menu. Contact sales@essenbio.com to upgrade software.

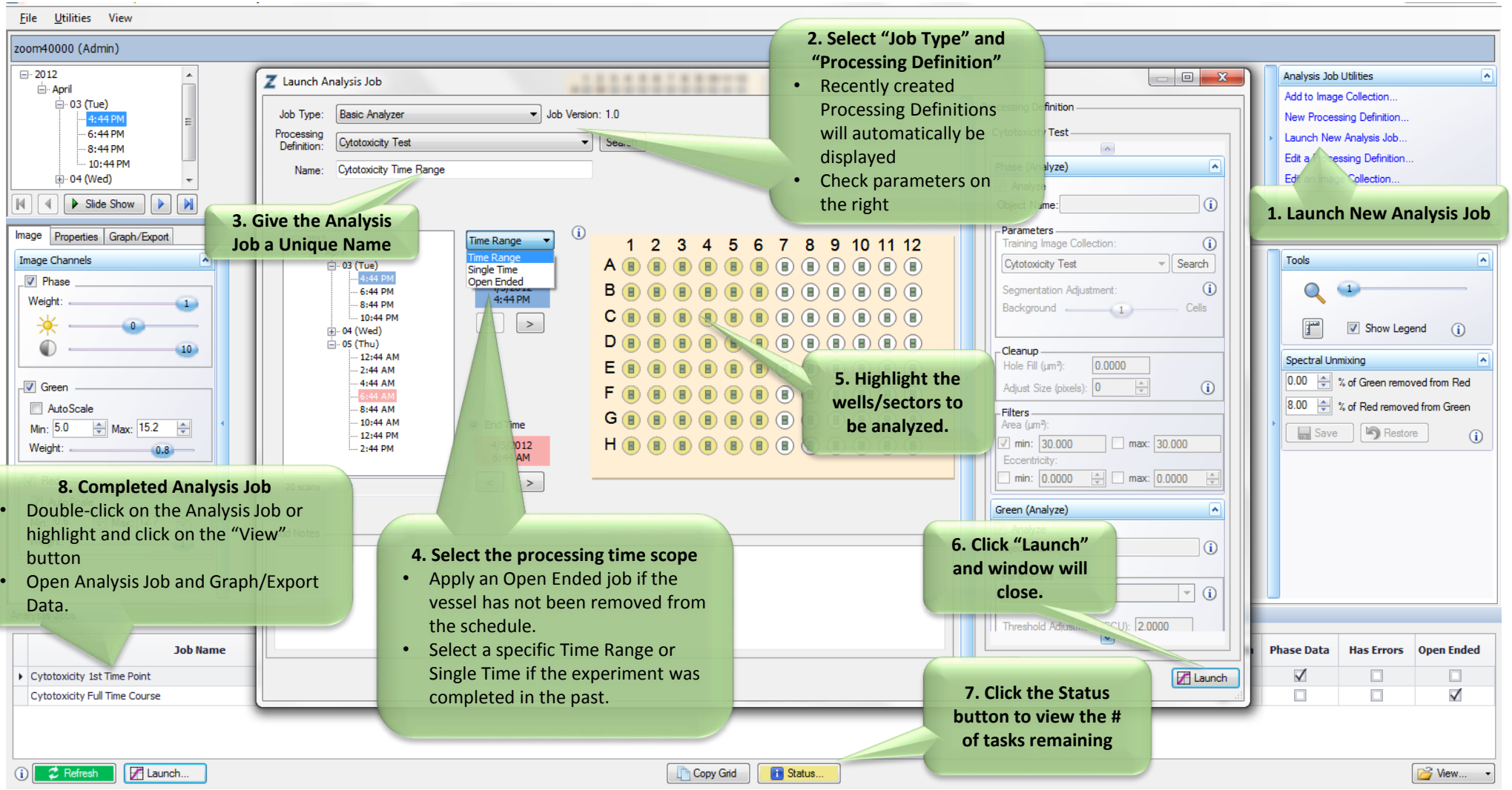
Edit and Save Processing Definition



Schedule Scans → Search and View Scanned Vessels → Make Image Collection → **Edit and Save Processing Definition** → Launch Analysis Job from Vessel View or at time of scheduling → Graph/Export Data

Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips. Consult the User Manual under the Help menu for complete details.
Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/
This Quick Start Guide was created using GUI version 2014A. Check the GUI version under Help → About menu. Contact sales@essenbio.com to upgrade software.

Vessel View: Launch Analysis Job



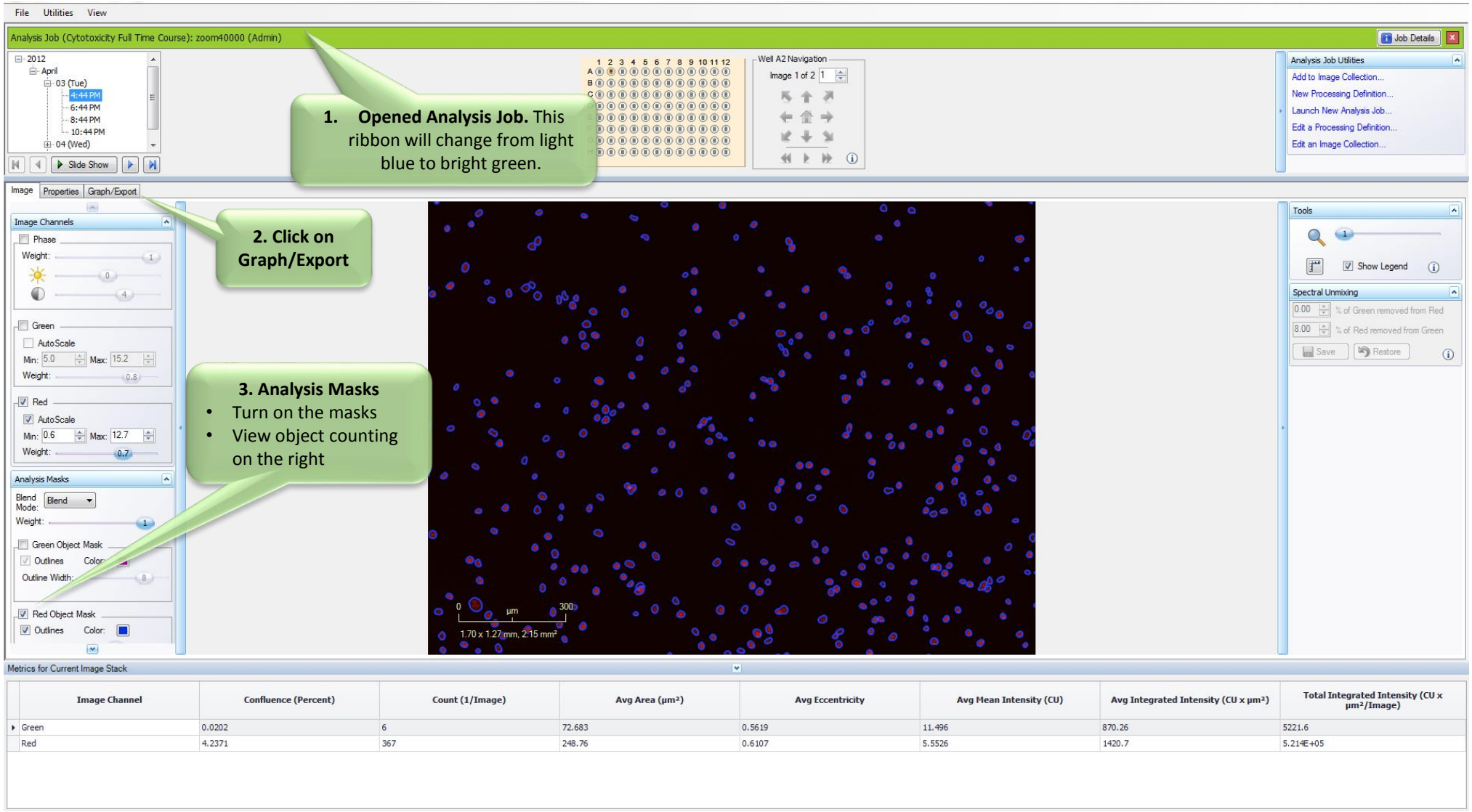
Schedule Scans → Search and View Scanned Vessels → Make Image Collection → Edit and Save Processing Definition → **Launch Analysis Job from Vessel View or at time of scheduling** → Graph/Export Data

Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips. Consult the User Manual under the Help menu for complete details.

Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/

This Quick Start Guide was created using GUI version 2014A. Check the GUI version under Help → About menu. Contact sales@essenbio.com to upgrade software.

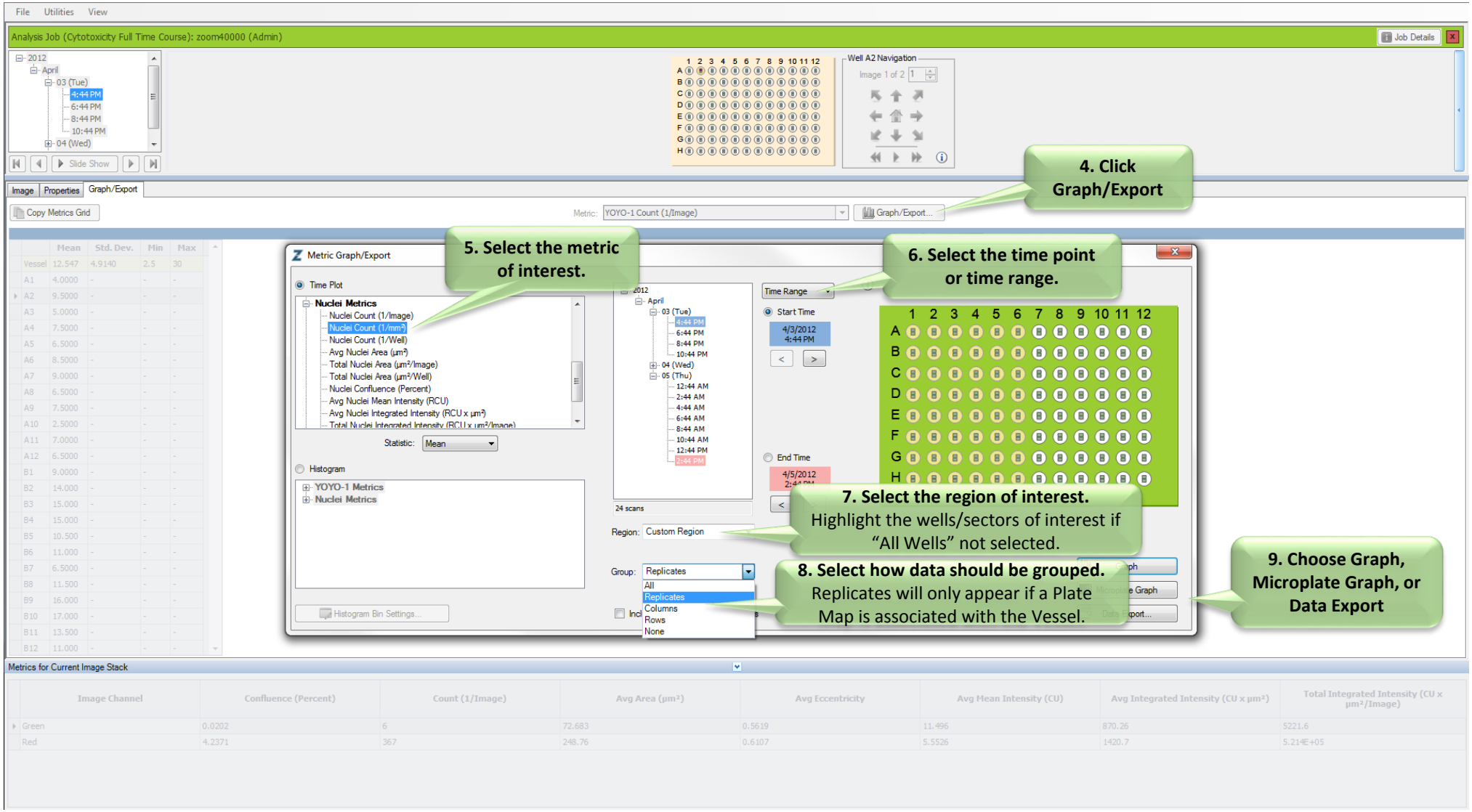
Vessel View: Graph/Export Data



Metrics for Current Image Stack

Image Channel	Confluence (Percent)	Count (1/Image)	Avg Area (µm²)	Avg Eccentricity	Avg Mean Intensity (CU)	Avg Integrated Intensity (CU x µm²)	Total Integrated Intensity (CU x µm²/Image)
Green	0.0202	6	72.683	0.5619	11.496	870.26	5221.6
Red	4.2371	367	248.76	0.6107	5.5526	1420.7	5.214E+05

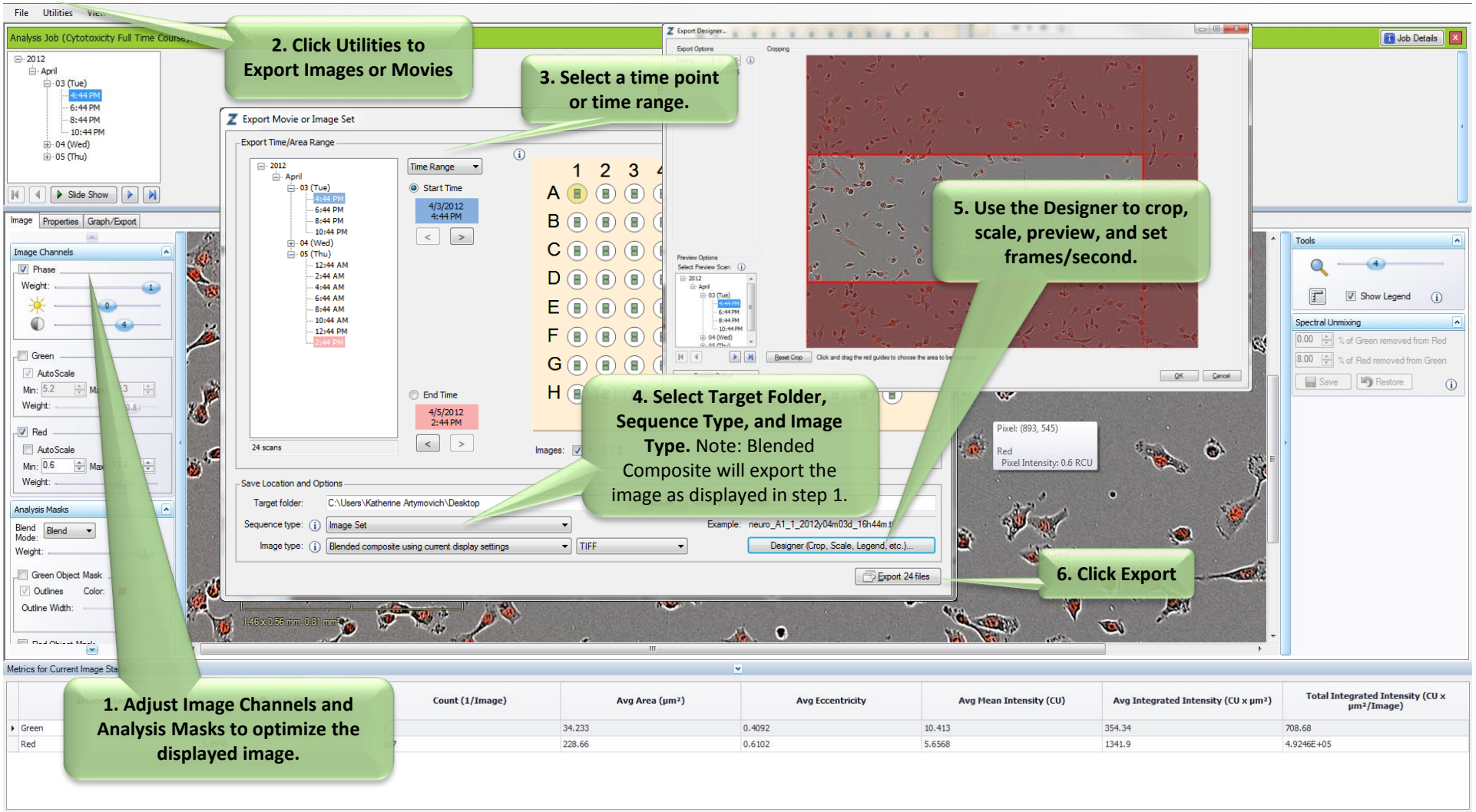
Vessel View: Graph/Export Data



Schedule Scans → Search and View Scanned Vessels → Make Image Collection → Edit and Save Processing Definition → Launch Analysis Job from Vessel View or at time of scheduling → Graph/Export Data

Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips. Consult the User Manual under the Help menu for complete details.
Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/
This Quick Start Guide was created using GUI version 2014A. Check the GUI version under Help → About menu. Contact sales@essenbio.com to upgrade software.

Vessel View: Export Images/Movies

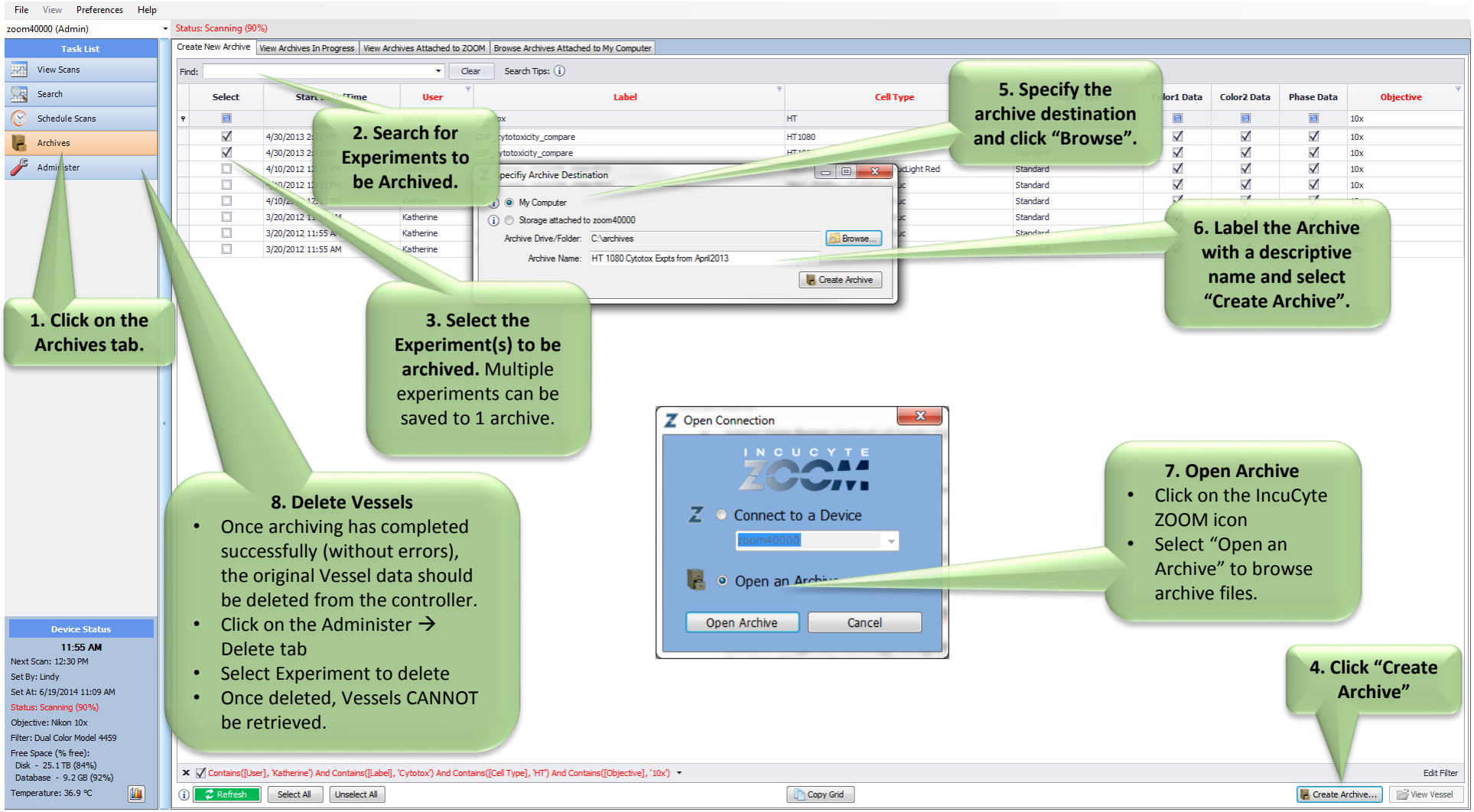


Schedule Scans → Search and View Scanned Vessels → Make Image Collection → Edit and Save Processing Definition → Launch Analysis Job from Vessel View or at time of scheduling → Graph/Export Data

Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips. Consult the User Manual under the Help menu for complete details.
Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/
This Quick Start Guide was created using GUI version 2014A. Check the GUI version under Help → About menu. Contact sales@essenbio.com to upgrade software.

Archive and Delete Vessels

Make sure all Image Collections, Processing Definitions, and Analysis Jobs associated with Vessel are completed before Archiving/Deleting.



What can be done with an Archive?

~~Schedule Scans~~ → Search and View Scanned Vessels → ~~Make Image Collection~~ → ~~Edit and Save Processing Definition~~ → ~~Launch Analysis Job from Vessel View or at time of scheduling~~ → Graph/Export Data

Information icons are found throughout the software. Mouse over the ⓘ to find useful hints and tips. Consult the User Manual under the Help menu for complete details.

Data Processing Technical Notes are available on our website http://www.essenbioscience.com/supportdocs/

This Quick Start Guide was created using GUI version 2014A. Check the GUI version under Help → About menu. Contact sales@essenbio.com to upgrade software.