

## Phenochart Software Release Notes

Software Version: 1.0.12

This file provides information about Phenochart software, version 1.0.12. Please read this information carefully as it supersedes all printed material or online help.

### Overview:

Phenochart enables viewing and annotation of Brightfield and Fluorescent slides scanned by Akoya Biosciences's Vectra 3 and Vectra Polaris Automated Quantitative Pathology Imaging Systems.

### System Requirements:

- U.S. English Version of Microsoft© Windows 7 or Windows 10, 64 bit
- .NET 4.5
- Minimum monitor resolution: 1280x768
- Minimum RAM: 2 GB

### Software Installation:

To install Phenochart on Windows 7, 8, or 10:

1. Log in as an administrator
2. Close all open software programs
3. Double click on Phenochart's Setup.exe
4. Follow the installer's instructions

Phenochart has been tested and validated on Windows 10. Installation is permitted on Windows 7 and Windows 8 but performance is not guaranteed.

### Software Configuration:

On first launch, you must point Phenochart to your Vectra data directory. To do this, load a slide, and pick an example slide scan (.qptiff) within the Vectra data directory. All subsequent launches will use the slide browser, which will enable you to view slide thumbnails and scanning details.

### Phenochart Version 1.0.12

#### *Bug Fixes:*

- Fix for loading a DAPI only scan

#### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The slide browser may launch with an error on rare occasions. This error can be ignored.
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot
- inForm classification dialog can show as Not Responding...
- Drawing an ROI outside of the slide (and application) area will result in an application error

### Phenochart Version 1.0.11

#### *New Features and Enhancements:*

- Intensity value cursor for both standard and unmixed units
- Simulated brightfield views for unmixed imagery
- Ability to delete all fields from an ROI or cores from a TMA sector

#### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The slide browser may launch with an error on rare occasions. This error can be ignored.
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field

- An active TMA outline will be shown in a snapshot
- inForm classification dialog can show as Not Responding...
- Drawing an ROI outside of the slide (and application) area will result in an application error

### **Phenochart Version 1.0.10**

#### *New Features and Enhancements:*

- New annotations for inForm projects
- New annotations for inForm batch processing
- Show an unmixed preview of multispectral whole slide scans

#### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The slide browser may launch with an error on rare occasions. This error can be ignored.
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot
- inForm classification dialog can show as Not Responding...
- Drawing an ROI outside of the slide (and application) area will result in an application error

### **Phenochart Version 1.0.9**

#### *Bug Fixes:*

- Fix for Push to inForm field size increasing
- Add updated serialization

#### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot
- inForm classification dialog can show as Not Responding...

### **Phenochart Version 1.0.8**

#### *New Features and Enhancements:*

- Label image view
- Add the option to slightly overlap fields within an ROI

#### *Bug Fixes:*

- Fix the exporting of compressed BF imagery into inForm
- Use a region-specific area of the slide for BF core finding, rather than the overview

#### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot
- inForm classification dialog can show as Not Responding...

### **Phenochart Version 1.0.7**

#### *New Features and Enhancements:*

- Default snapshot filename

#### *Bug Fixes:*

- Do not clip the file path display in the slide info dialog

#### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot
- inForm classification dialog can show as Not Responding...

### **Phenochart Version 1.0.6**

#### *New Features and Enhancements:*

- Vectra Polaris Support
- Image sharpening for better display of JPEG compressed scans

#### *Bug Fixes:*

- Allow the slide browser to recover when displaying tampered annotations or corrupt .qptiff files

#### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot
- inForm classification dialog can show as Not Responding...

### **Phenochart Version 1.0.5**

#### *New Features and Enhancements:*

- Windows 10 support

#### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot
- inForm classification dialog can show as Not Responding...

### **Phenochart Version 1.0.4**

#### *Bug Fixes:*

- Disallow ROI regions that are really, really small (accidental clicks)

#### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot
- inForm classification dialog can show as Not Responding...

### **Phenochart Version 1.0.3**

#### *Bug Fixes:*

- Corrected size for inForm fields to match stamp sizes

#### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot
- inForm classification dialog can show as Not Responding...

## **Phenochart Version 1.0.2**

### *New Features and Enhancements:*

- Ability to manually add missing cores to TMA sectors
- Set the browser location from within the slide browser
- Better color swatches in the annotation visibility menu

### *Bug Fixes:*

- TMA core finder silently fails
- Core finding results varied based on imaging size
- Thumbnail size increased in .im3
- Browser sort by date broken

### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot

## **Phenochart Version 1.0.1**

### *New Features and Enhancements:*

- ROI annotations
- Double click acquired annotations to launch them in inForm
- Right-click to retake annotations which failed to acquire
- The slide browser will highlight the current slide when launched
- Scale Bar color changed for better visibility
- Renamed snapshot cancel button to close

### *Bug Fixes:*

- An application error is possible in rare cases when toggling between inForm and Phenochart
- Fix for right click menu on reviewable annotations
- A custom color may not set correctly if you move the color dialog
- Snapshot palette is not shown when there is no image
- Do not allow an unignore if it will conflict with other fields
- Reduce (and make configurable) the default field size
- Make the right click menu and control click consistent for all annotation types
- Handle the case where a config file is corrupted
- Fix annotation file writing for non-English locales
- Controller buttons become slow to respond
- Right click to show the slide info of the clicked, not selected slide
- Slide Browser load button is not active at correct times

### *Known Issues:*

- Slide Browser is slow to load with high disk activity
- The drawn ROI remains even if the last generated field is deleted
- Control-clicking on a field to make the application active will delete the field
- An active TMA outline will be shown in a snapshot

## **Phenochart Version 1.0**

### *New Features:*

- Viewing of Brightfield and Fluorescent slides
- Snapshot capabilities for publications

- Annotations for MSI acquisition by selected fields, TMA cores, or inForm automatically generated selection
- Annotation history for all events
- Tamper evident slide data and annotation data

*Known Issues:*

- ROI annotations are not yet implemented
- Slide Browser is slow to load with high disk activity
- An application error is possible in rare cases when toggling between inForm and Phenochart
- Automatic fields that are initially ignored can only be toggled to acquisition
- A custom color may not set correctly if you move the color dialog

**Support:**

Contact Technical Support by phone, fax, or email:

Phone: +1 855.896.8401

Fax: +1 855.404.0061

Email: [CustomerCare@akoyabio.com](mailto:CustomerCare@akoyabio.com)

Outside US Email: [CustomerCareEMEA@akoyabio.com](mailto:CustomerCareEMEA@akoyabio.com)

Web site: <http://www.akoyabio.com>