Vectra Software Release Notes
Software Version: 3.0.7

This file provides information about Vectra software, version 3.0.7. Please read this information carefully as it supersedes all printed material or online help.

Overview:
Vectra software provides the interface to running the Vectra Quantitative Pathology Imaging System. Vectra scans both brightfield and fluorescent slides, and can take multispectral imagery of user-specified areas of interest, user-chosen TMA cores, or areas of interest determined automatically through the use of inForm Tissue Finder.

System Requirements:
- U.S. English Version of Microsoft© Windows 10 64-bit
- .NET 4.5
- Minimum monitor resolution: 1600x1200 at 96 DPI
- Minimum RAM: 12 GB

Software Installation:
To install on Windows 10:
1. Log in as an administrator
2. Close all open software programs
3. Double click on Vectra’s Setup.exe
4. Follow the installer’s instructions

Vectra Version 3.0.7
New Features:
- Support the LED lamp

Bug Fixes:
- Handle protocol loading with new filter naming convention
- Update company to Akoya

Known Issues:
- The camera’s COM port must be higher than the 200 slide’s loader COM port in order to run.
- If using Sharpie markers to enclose tissue, the circle must avoid the corners
- Thumbnail viewer has difficulty when watching an acquisition folder when acquiring over 150 MSI fields.
- The Cassette Inventory may be incorrect after processing when a slide starts out on the stage
- The software can shut down if you remove cassettes during slide finding.
- Returning to the protocol editor can take extra time if an inForm algorithm is present.
- Thumbnails do not work when filenames have non-ASCII characters
- Some barcodes made by the Leica Bond will cause the Prior barcode reader to fail and shutdown

Vectra Version 3.0.6
Bug Fixes:
- Standardize the instrument serialization
- Update the OpenSlide libraries
- Update how bands are created
- Accept new classification results from inForm
- Handle saturation in BF focusing

Known Issues:
The camera’s COM port must be higher than the 200 slide’s loader COM port in order to run.
If using Sharpie markers to enclose tissue, the circle must avoid the corners
Thumbnail viewer has difficulty when watching an acquisition folder when acquiring over 150 MSI fields.
The Cassette Inventory may be incorrect after processing when a slide starts out on the stage
The software can shut down if you remove cassettes during slide finding.
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 Thumbnails do not work when filenames have non-ASCII characters
Some barcodes made by the Leica Bond will cause the Prior barcode reader to fail and shutdown

**Vectra Version 3.0.5**

**New Features:**
- Wedge correction for epi filters
- Add calibration response data to fluorescent scans

**Bug Fixes:**
- Do not allow illegal characters in the filename
- Correct the homing sequence for new versions of the Prior controller
- Improve focus finding for MSI fields

**Known Issues:**
- The camera’s COM port must be higher than the 200 slide’s loader COM port in order to run.
- If using Sharpie markers to enclose tissue, the circle must avoid the corners
- Thumbnail viewer has difficulty when watching an acquisition folder when acquiring over 150 MSI fields.
- The Cassette Inventory may be incorrect after processing when a slide starts out on the stage
- The software can shut down if you remove cassettes during slide finding.
- Returning to the protocol editor can take extra time if an inForm algorithm is present.
- Thumbnails do not work when filenames have non-ASCII characters
- Some barcodes made by the Leica Bond will cause the Prior barcode reader to fail and shutdown

**Vectra Version 3.0.4**

**New Features:**
- Windows 10 support, including Bitlocker
- Simplified Dashboard

**Bug Fixes:**
- Show filters in acquisition order when displaying them on the protocol page
- Update drivers for loader improvements
- Improve stage coordinate initialization
- Write debugging information on scan failures

**Known Issues:**
- The camera’s COM port must be higher than the 200 slide’s loader COM port in order to run.
- If using Sharpie markers to enclose tissue, the circle must avoid the corners
- Thumbnail viewer has difficulty when watching an acquisition folder when acquiring over 150 MSI fields.
- The Cassette Inventory may be incorrect after processing when a slide starts out on the stage
- The software can shut down if you remove cassettes during slide finding.
• Returning to the protocol editor can take extra time if an inForm algorithm is present.
• Thumbnails do not work when filenames have non-ASCII characters

**Vectra Version 3.0.3**

*Bug Fixes:*
• Correct a sporadic data integrity issue when acquiring MSI fields

*Known Issues:*
• The camera’s COM port must be higher than the 200 slide’s loader COM port in order to run.
• If using Sharpie markers to enclose tissue, the circle must avoid the corners
• Thumbnail viewer has difficulty when watching an acquisition folder when acquiring over 150 MSI fields.
• The Cassette Inventory may be incorrect after processing when a slide starts out on the stage
• The software can shut down if you remove cassettes during slide finding.
• Returning to the protocol editor can take extra time if an inForm algorithm is present.
• Thumbnails do not work when filenames have non-ASCII characters

**Vectra Version 3.0.2**

*New Features:*
• Sample imagery for brightfield slides
• Log acquisition failures for each run
• Add option to scan within the entire found coverslip area
• Post warnings, rather than errors, when slide registration fails

*Bug Fixes:*
• Fix the size for inForm found fields
• Handle commas within Slide ID and protocol names
• Handle invalid task lists
• Handle mouse clicks on scan column headers
• Handle the case where a protocol points to a non-existing inForm algorithm
• Correct the IM3 location to be the upper left corner
• Correct stage speed after production setup
• Update the disk space on dashboard access
• Update the default protocol location to also use the last successful load location
• Update snapshot dialog to include more information
• Do not overwrite the existing configuration on installation
• Speed up task list loading
• Fix memory leaks
• Increase the thumbnail size within acquired .im3 imagery
• Do not shut down when there is a failure to find the slide top
• Increase the allowed objective offset default
• Rework how often we check for slide on stage
• Rework how annotation files are locked and released
• Rework the stage initialization
• Handle scenarios where all 6 slide height measurements are used
• Do not crash when an illegal character is in the snapshot filename
• Increase robustness of registration
• Remove extra spaces from the disk path in configuration
• Revise focus mapper
• Improve coverslip detection
• Encode strings for algorithms
- Fix crash when rendering thumbnails
- Do not allow Vectra to open when the config app is open
- Fix histogram binning
- Fix for wait dialog showing 'not responding' when finding slides
- Rework overview taking

**Known Issues:**
- The camera’s COM port must be higher than the 200 slide’s loader COM port in order to run.
- If using Sharpie markers to enclose tissue, the circle must avoid the corners
- Thumbnail viewer has difficulty when watching an acquisition folder when acquiring over 150 MSI fields.
- The Cassette Inventory may be incorrect after processing when a slide starts out on the stage
- The software can shut down if you remove cassettes during slide finding.
- Returning to the protocol editor can take extra time if an inForm algorithm is present.
- Thumbnails do not work when filenames have non-ASCII characters

**Vectra Version 3.0.1**

**Bug Fixes:**
- Make the alignment parameters configurable, and update the search range

**Known Issues:**
- The camera’s COM port must be higher than the 200 slide’s loader COM port in order to run.
- If using Sharpie markers to enclose tissue, the circle must avoid the corners
- Thumbnail viewer has difficulty when watching an acquisition folder when acquiring over 150 MSI fields.
- The Finding Slides dialog can appear as "Not Responding" when finding slides
- The Cassette Inventory may be incorrect after processing when a slide starts out on the stage
- The software can shut down if you remove cassettes during slide finding.

**Vectra Version 3.0.0**

**New Features:**
- Whole slide scans of brightfield and fluorescent slides at 4x and 10x
- Multispectral imagery at 10x, 20x, and optionally 40x
- Simplified workflows for user-selected fields and TMA core finding
- New scanning interface
- Simplified protocol development
- Tamper-evident scan and multispectral image files

**Known Issues:**
- The camera’s COM port must be higher than the 200 slide’s loader COM port in order to run.
- Thumbnail viewer has difficulty when watching an acquisition folder when acquiring over 150 MSI fields.
- The Finding Slides dialog can appear as "Not Responding" when finding slides
- The Cassette Inventory may be incorrect after processing when a slide starts out on the stage
- The software can shut down if you remove cassettes during slide finding.

**Documentation:**
- Complete documentation is accessible by selecting Help → Help within the Vectra software
Support:
Contact Technical Support by phone, fax, or email:
Phone: +1 855.896.8401
Fax: +1 855.404.0061
Email: CustomerCare@akoyabio.com
Outside US Email: CustomerCareEMEA@akoyabio.com
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