

# Release Notes: VivoQuant 5.1

Release Date: 28-May-2024 | 10:51 AM EDT

This VivoQuant 5.1 release introduces many enhancements to existing features as well as new modules to support analysis and workflows. This release also addresses a series of bugs and issues from previous releases.

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## Enhancements

The following user stories are part of the VivoQuant 5.1 release:

VQ-3679	Splitting Operator: Update orientation icons
VQ-3547	Enable Brain Atlas tool for all modalities
VQ-3462	Improve viewing of voxel widget tooltip — with accessible color contrast
VQ-3458	Implement Weighted Average
VQ-3454	IMPLEMENTATION: Improve Name Handling when ROI is Exported to Data Manager
VQ-3409	Allow UUIDs to be used for floating license fingerprinting
VQ-3003	Splitting Operator: Add Height control in UI for Cylinder
VQ-2544	Allow export of dynamic PET data as single frame DICOM
VQ-2213	Splitting Operator - Update values when moving/resizing ROI

## Bug Fixes

The following bugs have been addressed:

VQ-3461	Video recording In Service Reporter is not working on Mac
VQ-3671	VQ splash screen and About window shows build number for stable build
VQ-3539	Figure Color does not change immediately after selecting a new color
VQ-3411	VQ - ROI algorithm is only applied correctly in one plane
VQ-3393	VQ Data Loading Issues
VQ-3306	VivoQuant 2022patch1 - Reorientation/Registration Tool doesn't load transformation files correctly
VQ-3265	Splitting Operator - Multiple Cases of text fields being out of sync with rendering
VQ-3261	Splitting Operator: Investigate blink of the splitting shape — address if precision issue is present
VQ-3818	Weighted Average missed in menu drop down
VQ-3260	Splitting Operator - Prepopulated drop down option in the details section
VQ-3262	Splitting Operator - Orientation option appears to do nothing
VQ-3285	iPACS project name filter causes VQ to become unresponsive
VQ-3368	Cannot change Plane property more than once
VQ-3407	Merck: Study data set showing black space in plane views (Sev 3)
VQ-3553	Splitting Operator MIPControl jumpy interaction
VQ-3562	Splitting Operator - Crash manipulating fiducial
VQ-3584	Occasionally the Dark Mode icons are not being used (light mode ones in use instead)
VQ-3608	Splitting Operator - Crash on changing Row Col fields
VQ-3661	Split Operator - Rotation Icon (update label, relocate, tooltip)
VQ-3676	Data Manager Text Configuration parameters are cut off
VQ-3711	VTK Update 8.0.1 Crash
VQ-3712	Test build warning shows on every startup with the file-based license
VQ-3714	MIP Control - Crash CPU to GPU with surface to gradient change
VQ-3824	Corner label checkmarks don't show included labels
VQ-3825	Splitting operator: values in the operator disappears after rectangle/cylinder group gets deleted

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VQ-3826	VQ crash saving a movie
VQ-3823	Voxel Widgets do not appear to have the improved contrast
VQ-3854	VTK Viewer: Blending Issue with ROI
VQ-3623	VTK and others icons not showing properly
VQ-3438	VQ - button labels missing in VQ2022
VQ-3722	Improve UX of View Menu Options by updating show/hide based on contents state

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## Known Issues

VQ-3812	Reorientation Registration: Landmark registration does not move the ROIs
VQ-3810	Reorientation Registration: Crash - landmark annotation removal
VQ-3789	Reorientation Registration: Rigid 2D ITK error
VQ-3788	Reorientation Registration Rigid 3D ITK error
VQ-3786	Distance / Annotation: Index out of bounds with multiple landmark annotations
VQ-3784	MIP Control: Light check box ambiguity
VQ-3782	Icons show incorrect colors when first opened in dark mode
VQ-3776	VTK Viewer: Reorientation/Registration Rendering issue
VQ-3709	MIP Control - RGB does not respect channel options
VQ-3705	Corner label color - linked to data palette
VQ-3695	VQ default font not working with color themes
VQ-3598	No hover highlighting in VQ operators
VQ-3595	Export ROI shouldn't try to export the background ROI
VQ-3567	Data Browser stall out on ipacs request
VQ-3809	Reorientation Registration: WL deformable registration not applied
VQ-3318	ipacsync windows 1.3.2-build64 fails to connect to yale ipacs
VQ-3505	Cannot get Testing data from invicro.ipacs.invicro.com server