

TriTom PhotoAcoustic Edition

Item	Quantity	Contents	Quantity	Description	Notes/Specifications
Crate 1	1	TriTom PA Edition Laser Source	1	Laser Excitation Source	<b>OPO laser source with the following specs</b> Pulse repetition frequency: 10 Hz, 20 Hz (optional) Pulse width: 3-5 ns Integrated pulse energy meter: YES Deep tissue imaging range (tunable): 660-1064 nm NIR II extended imaging range (tunable): optional, 1065-1300 nm Max pulse energy (deep tissue imaging @ 700 nm): 180 mJ, optional 250 mJ (10 Hz); 160 mJ (20 Hz) Fast Wavelength Switching (deep tissue imaging): YES Skin imaging (not tunable): 532 nm Pulse energy (skin imaging): > 5 mJ Fast Wavelength Switching (skin imaging): N/A
			1	Fiberoptic Bundle	4-outputs, skin & deep tissue excitation
Crate 2	1	TriTom PA Edition Imaging Platform, components and accessories	1	3D Imaging Platform	<b>TriTom Imaging Platform with the following specs</b> PhotoAcoustic 3D Imaging Channel: YES, deep-tissue imaging, skin imaging, >30,000 detection points per scan Spatial resolution (mm): 0.16 x 0.16 x 0.47 Fluorescence 2D/3D Imaging Channel: N/A Imaging Volume (single scan, mm): 30 x 30 x 30 Single scan time: 36 sec Whole body imaging (mouse): YES, stack of 3D scans Multiwavelength imaging: YES, single scan Subject observation: YES, video camera Software Suite: YES - laser, acquisition & scan controls, image reconstruction Image visualization & analysis: 3D Slicer Raw data format: PA - mat; Vis - raw, tif, mp4 3D image data format: PA - mat, vtk; Vis - N/A Integrated gas anesthesia line: YES, accomodates 1/4" or 7 mm ID gas anesthesia tubing Gas anesthesia unit: Yes Temperature controlled/heated imaging chamber: YES
			2	Imaging Monitor	2k monitor; can be in a separate shipment
			1	Control Station	Nvidia GPU image reconstruction, high-performance SSD, MS Windows 10, keyboard, mouse; can be in a separate shipment
			1	Resolution Test Phantom	Quick fix, tests 3D resolution
			1	Contrast agent cuvette holder	Quick fix, up to 10 cylindrical cuvettes
			10	Contrast agent microcuvettes	12" long ultrathin-wall PTFE tubes ID 0.8 mm for making 50 µl samples
			2	Mouse restrainer	Enabled for gas anesthesia, Body imaging - 1, Head imaging - 1
			2	Fill/Drain container	includes connecting tubings

TriTom Standard Edition

Item	Quantity	Contents	Quantity	Description	Notes/Specifications
Crate 1	1	TriTom Standard Edition Laser Source	1	Laser Excitation Source	<b>OPO laser source with the following specs</b> Pulse repetition frequency: 10 Hz, 20 Hz (optional) Pulse width: 3-5 ns Integrated pulse energy meter: YES Deep tissue imaging range (tunable): 660-1064 nm NIR II extended imaging range (tunable): optional, 1065-1300 nm Max pulse energy (deep tissue imaging @ 700 nm): 180 mJ, optional 250 mJ (10 Hz); 160 mJ (20 Hz) Fast Wavelength Switching (deep tissue imaging): YES Skin imaging (not tunable): 532 nm Pulse energy (skin imaging): > 5 mJ Fast Wavelength Switching (skin imaging): N/A
			1	Fiberoptic Bundle	4-outputs, skin & deep tissue excitation
Crate 2	1	TriTom Standard Edition Imaging Platform, components and accessories	1	3D Imaging Platform	<b>TriTom Imaging Platform with the following specs</b> PhotoAcoustic 3D Imaging Channel: YES, deep-tissue imaging, skin imaging, >30,000 detection points per scan Spatial resolution (mm): 0.16 x 0.16 x 0.47 Fluorescence 2D/3D Imaging Channel: YES, narrow band laser excitation at 532 nm, or 660-850 nm range Imaging Volume (single scan, mm): 30 x 30 x 30 Single scan time: 36 sec Whole body imaging (mouse): YES, stack of 3D scans Multiwavelength imaging: YES, single scan Subject observation: YES, sCMOS camera Software Suite: YES - laser, acquisition & scan controls, image reconstruction Image visualization & analysis: 3D Slicer Raw data format: PA - mat; Vis/FL - raw, tif, mp4 3D image data format: PA/FL - mat, vtk; Vis - N/A Integrated gas anesthesia line: YES, accomodates 1/4" or 7 mm ID gas anesthesia tubing Gas anesthesia unit: Yes Temperature controlled/heated imaging chamber: YES
			2	Imaging Monitor	2k monitor; can be in a separate shipment
			1	Control Station	Nvidia GPU image reconstruction, high-performance SSD, MS Windows 10, keyboard, mouse; can be in a separate shipment
			1	Resolution Test Phantom	Quick fix, tests 3D resolution
			1	Contrast agent cuvette holder	Quick fix, up to 10 cylindrical cuvettes
			10	Contrast agent microcuvettes	12" long ultrathin-wall PTFE tubes ID 0.8 mm for making 50 µl samples
			2	Mouse restrainer	Enabled for gas anesthesia, Body imaging - 1, Head imaging - 1
			2	Fill/Drain container	includes connecting tubings

## TriTom Premium Edition

Item	Quantity	Contents	Quantity	Description	Notes/Specifications
Crate 1	1	TriTom Premium Edition Laser Source	1	Laser Excitation Source	<b>OPO laser source with the following specs</b> Pulse repetition frequency: 20 Hz Pulse width: 3-5 ns Integrated pulse energy meter: YES Deep tissue imaging range (tunable): 660-1064 nm NIR II extended imaging range (tunable): 1065-1300 nm Max pulse energy (deep tissue imaging @ 700 nm): 130 mJ Fast Wavelength Switching (deep tissue imaging): YES Visible fluorescence and Skin imaging (tunable): 460-659 nm Pulse energy (skin imaging): > 5 mJ Fast Wavelength Switching (skin imaging): YES
			1	Fiberoptic Bundle	4-outputs, skin & deep tissue excitation
Crate 2	1	TriTom Premium Edition Imaging Platform, components and accessories	1	3D Imaging Platform	<b>TriTom Imaging Platform with the following specs</b> PhotoAcoustic 3D Imaging Channel: YES, deep-tissue imaging, skin imaging, > 30,000 detection points per scan Spatial resolution (mm): 0.16 x 0.16 x 0.47 Fluorescence 2D/3D Imaging Channel: YES, narrow band laser excitation at 460-850 nm range Imaging Volume (single scan, mm): 30 x 30 x 30 Single scan time: 36 sec Whole body imaging (mouse): YES, stack of 3D scans Multiwavelength imaging: YES, single scan Subject observation: YES, sCMOS camera with enhanced QE Software Suite: YES - laser, acquisition & scan controls, image reconstruction Image visualization & analysis: 3D Slicer Raw data format: PA - mat; Vis/FL - raw, tif, mp4 3D image data format: PA/FL - mat, vtk; Vis - N/A Integrated gas anesthesia line: YES, accomodates 1/4" or 7 mm ID gas anesthesia tubing Gas anesthesia unit: Yes Temperature controlled/heated imaging chamber: YES
			2	Imaging Monitor	2k monitor; can be in a separate shipment
			1	Control Station	Nvidia GPU image reconstruction, high-performance SSD, MS Windows 10, keyboard, mouse; can be in a separate shipment
			1	Resolution Test Phantom	Quick fix, tests 3D resolution
			1	Contrast agent cuvette holder	Quick fix, up to 10 cylindrical cuvettes
			10	Contrast agent microcuvettes	12" long ultrathin-wall PTFE tubes ID 0.8 mm for making 50 µl samples
			2	Mouse restrainer	Enabled for gas anesthesia, Body imaging - 1, Head imaging - 1
			2	Fill/Drain container	includes connecting tubings