

**UGC Certified Systems  
December 2009**

Machine	Software Package / Developer	Model	Probe	Frame Grabber	Gain Settings/ Magnification
<b>Aloka 500 - Old Version</b>	BIA/Designer Genes Technologies, Inc.	1.0	5044 -17cm	CX100	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	BIA/Designer Genes Technologies, Inc.	1.0	5044 -17cm	PXC200	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Iowa State University	1.0	5044 -17cm	CX100	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Iowa State University	1.0	5044 -17cm	PXC200	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off Filter=off
	UltraInsights	1.0	5044 -17cm	CX100	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	UltraInsights	1.0	5044 -17cm	LinXcel Video Grabber USB 2.0	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	UltraInsights / CPEC	1.0	5044 -17cm	PXC200	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off Filter=off
	Walter and Assoc.	1.0	5044 -17cm	CX100	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Walter and Assoc.	1.0	5044 -17cm	PXC200	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Walter and Assoc.	1.0	5044 -17cm	USB	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Walter and Assoc.	1.0	5044 -17cm	VCE	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off

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<b>Aloka 500 - New Version</b>	BIA/Designer Genes Technologies, Inc.	1.0	5044 -17cm	CX100	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	BIA/Designer Genes Technologies, Inc.	1.0	5044 -17cm	PXC200	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Biotronics	1.0	5044 -17cm	CX100	2.0X magnification, Gain = 90, near gain = -20, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Biotronics / BioSoft	1.0	5044 -17cm	VCE	2.0X magnification, Gain 90, near gain -20, far gain 2.1, Focus 1, 2=On, Focus 3, 4=Off
	UltraInsights	1.0	5044 -17cm	CX100	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	UltraInsights	1.0	5044 -17cm	LinXcel Video Grabber USB 2.0	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	UltraInsights / CPEC	1.0	5044 -17cm	PXC200	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off Filter=off
	CPEC	1.0	Short (12.5 cm)	LinXcel Video Grabber USB 2.0	(Lumbar scan--settings can be variable) 1.5X magnification, Gain = 90, near gain = -25, far gain = 4.5, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	CPEC	1.0	5044 -17cm	LinXcel Video Grabber USB 2.0	(Lumbar scan--settings can be variable) 1.5X magnification, Gain = 90, near gain = -25, far gain = 4.5, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Walter and Assoc.	1.0	5044 -17cm	CX100	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Walter and Assoc.	1.0	5044 -17cm	PXC200	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Walter and Assoc.	1.0	5044 -17cm	USB	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off
	Walter and Assoc.	1.0	5044 -17cm	VCE	1.5X magnification, Gain = 90, near gain = -25, far gain = 2.1, Frame Corr = On/Auto, AGC = 1, Contrast = 4, Focus 1 and 2 = On, Focus 3 and 4 = Off

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<b>Pie Medical (Classic) Scanner 200</b>	Biotronics / BioSoft	1.0	5044 -17cm	VCE	Machine calibrated with phantom prior to scanning, IMF images = 8 frames per second
	Iowa State University	1.0	18cm	CX100	Machine calibrated with phantom prior to scanning, Pfats = 8 frames per second (FPS), REA & Rump images 5 FPS
	Iowa State University	1.0	18cm	PXC200	Machine calibrated with phantom prior to scanning, Pfats = 8 frames per second (FPS), REA & Rump images 5 FPS
	Walter and Assoc.	1.0	18cm	PXC200	Machine calibrated with phantom prior to scanning, Pfats = 8 frames per second (FPS), REA & Rump images 5 FPS
	Walter and Assoc.	2.0	18cm	PXC200	Machine calibrated with phantom prior to scanning, Pfats = 8 frames per second (FPS), REA & Rump images 5 FPS
	Walter and Assoc.	1.0	18cm	CX100	Machine calibrated with phantom prior to scanning, Pfats = 8 frames per second (FPS), REA & Rump images 5 FPS
	Walter and Assoc.	1.0	18cm	USB	Machine calibrated with phantom at 8 FPS prior to and after scanning as normal, however all images including Pfats, REA, and Rump images at 5 FPS. None other than phantom calibration images taken at 8 FPS.
<b>Aquila</b>	Walter and Assoc.	1.0	18cm	USB	Total gain= 225 (+/-2), Near Gain = 100 (+/-2), Far Gain = 100 (+/-2), Frame rate is 17 fps.
<b>SonoVet 2000</b>	Biotronics	1.0	L2-5 170mm	CX100	IMF images: 12cm (depth setting), N=10, F=1, G=20, FA=1, DR=66, RL=3; Rump and Ribeye cross-sectional images: 16cm (depth setting)
<b>Falco 100</b>	Biotronics	1.0		CX100	IMF images: 26 fps (frames per second), Overall gain at highest level, Near gain at the middle of the range, Far gain at the lowest of the range; Rump and Ribeye cross-sectional images: 17 fps (frames per second)