

Manufacturer	Model	FB	3T	Lead	Remarks
Biotronik ILR	Biomonitor Biomonitor 2	X X	X		
Biotronik PM	Ecuro, Edora, Eluna 8, Entovis, Epyra 6&8, Estella, Etrinsa 6&8, Evia (VR/DR) HF-T systems (CRT-P)	X X X (X)	(X) (X) (X)	Safio, Setrox, Siello, Solia Corox, Sentus BP/QP	VR and DR : 3T full body OK for Edora but exclusion zone for all others. Edora with optional "auto" MRI mode Edora CRT-P: 1.5T FB OK.
Biotronik ICD	Idova, Iforia 5 or 7, Ilivia, Illesto, Intica, Inventra, Iperia, Itrevia, Lumax 640/740 (VR/DR) HF-T systems (CRT-D)	X X X X	(X) (X) (X)	Linx Smart DF-4 or DF-1 Protego DF-4 or DF-1 Plexa DF-4 or DF-1 Corox, Sentus, BP/QP	VR and DR : 3T OK with exclusion zone Standard Linx lead is NOT MRI- conditional
Boston PM	Ingenio, Accolade, Proponent Advantio MRI, Ingenio MRI Vitalio, Formio, Essentio, VR/DR	X X X	X	Ingevity MRI Fineline II (unless with Ingevity lead)	Essentio/Accolade/Proponent with Ingevity lead : 3T OK CRT-P not MRI-conditional
Boston ICD	Autogen, Charisma, Dynagen, Inogen, Perciva, Origen (EL, mini, X4), Resonate, Vigilant VR/ DR and CRT-D X4 Emblem S-ICD (A209, A219)	X X X X		Fineline II, Ingevity MRI Endotak Reliance 4-site and 4-front, Acuity X4 S-ICD lead 3400, 3401	DF-1 systems are not MRI-conditional
Medtronic ILR	Reveal XT, Reveal LinQ	X	X		
Medtronic PM	Enrythm MRI DR, Revo MRI Astra/Advisa/Ensura MRI VR, DR Percepta/Serena/Solara CRT-P Micra	X X X X	X X X	3830, 4074, 4076, 4574, 5054, 5076, 5086, 5554 20066 Stability 4196/4296/ 4396 4298/4398/4598	
Medtronic ICD	DF-4: Evera XT VR, DR, Visia VR Claria/Amplia/Compia CRT-D DF-1: Evera, VisiaAF, Claria CRT-D	X X X	X X X	6935/6935M 6947/6947M 20066 Stability 4196/4296/ 4396 4298/4398/4598	6-hour SureScan timeout feature
Liva Nova PM	Kora 250 VR, DR Kora 100 VR, DR	X		Beflex	MRI mode activated during exam and reverts to normal mode 5min after end
SJM/Abbott ILR	Confirm	X			SAR < 4 W/Kg (1.5T)
SJM/Abbott PM	Accent MRI Assurity MRI, Endurity (VR/ DR) Quadra Allure CRT-P Nanostim	(X) X (X) X		Tendril MRI Tendril STS 2088TC Isoflex 1944/1948 1456Q/1457Q/1458Q/ 1458QL (86 cm)	Full-body for Accent MRI only if Tendril MRI lead. <i>Not</i> MRI-conditional for Quadra Allure if Tendril MRI lead. SAR <=4/Kg (1.5T) and <=3.2/Kg for CRT-P Maximum 30min scan time per session with Tendril STS and Isoflex
SJM/Abbott ICD	Fortify (VR/DR) Ellipse, (VR, DR) Quadra Assura/Assura MP CRT-D	(X) (X)		Durata 7120Q/7122Q DF4 Optisure 210/220 DF4 Tendril MRI atrial Tendril STS atrial 46/52cm Quartet 1456Q, 1457Q, 14588Q, 1458QL	Full body if pacing OFF. Max. 30min. Exclusion zone if prog. DOO or VOO (except for Quadra Assura/Assura MP) Ellipse DR is full body <i>only with</i> Tendril MRI atrial lead DF-1 (Durata 7120/7122) = non MRI Durata 7122Q-65 & OptisureTM LDA210Q- 65: SAR <=1.6W/Kg. Quadra Assura/Assura MP is MRI conditional <i>only with</i> Tendril STS atrial lead

FB= full body (if not crossed, implies exclusion zone); BP=bipolar ; QP=quadripolar ; (X)=subjected to conditions mentioned under "Remarks"

Additional conditions

No abandoned/fractured leads

No epicardial (surgical) leads

Implantation > 6 weeks

SAR <= 2W/Kg full body or <=3.2W/Kg head
<=4W/Kg full body if 3T OK

1.5T (unless mentioned otherwise)

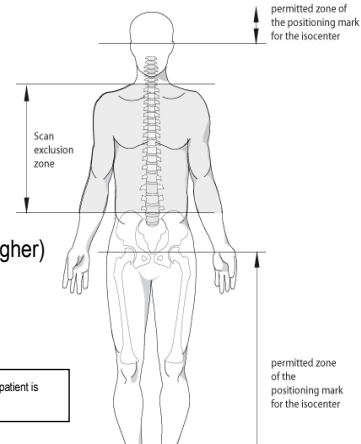
Gradient field <200T/m/s per axis (unless mentioned otherwise)

Generator in pectoral position

Threshold <=2V if pacemaker-dependant

Bipolar pacing or pacing OFF

Biotronik :	www.promricheck.com
Boston Scientific :	www.bostonscientific.com/manuals/
Liva Nova/Sorin:	www.livanova.sorin.com/products/cardiac-rhythm-management/
Medtronic :	www.medtronic.com/mri
St-Jude Medical:	http://professional-intl.sjm.com/resources/mri-ready/overview http://mri.merlin.net/



Exclusion zone (Biotronik):

Isocenter at the eye level (or higher)
and hips (or lower)