

MRI Safety Information

MR Conditional			
	A patient with one product of the type <i>aixstent OEC</i> may be safely scanned under the following conditions. Failure to follow these conditions may result in injury to the patient.		
Parameter	Notes		
Product name	aixstent OEC		
Manufacturer	bess pro gmbh Gustav-Krone-Str. 7 D—14167 Berlin Germany		
Distributor	Leufen Medical GmbH Gustav-Krone-Str. 7 D—14167 Berlin Germany Tel.: +49 30 816 90 93 00 Fax: +49 30 816 90 93 93 www.leufen-medical.eu contact@leufen-medical.eu		
Document number and edition date	MRIOEC- 3 — 2026-07		
Location of MRI safety information	www.leufen-medical.eu/oec		
Static magnetic field strength	1.5 T / 3 T		
Type of nuclei	Hydrogen		
Static Magnetic Field (B ₀) Orientation	Horizontal		
Maximum Spatial Field Gradient	1.5 T: 30 T/m (3000 G/cm) 3 T: 19 T/m (1900 G/cm)		
Maximum B0*IdB0/drl product	48 T ² /m		
RF Transmit Coil Type	Whole Body or extremities transmit RF coils (trunk and head local transmit coils are excluded)		
RF Receive Coil Type	Any receive RF coil can be used.		
MR System (RF) Operating Modes or Constraints	Normal Operating Mode		
Maximum Whole-Body SAR	Whole body SAR ≤ 2 W/kg ATTENTION: Under the scan conditions defined above, the product <i>aixstent OEC</i> is expected to produce the following maximum temperature rise after 15 minutes of continuous scanning:		
	REF	1.5 T	3 T
	122-24-100		3.4 ± 0.5 °C
	122-24-120	7.5 ± 0.8 °C	3.3 ± 0.4 °C
	123-24-100	8.1 ± 1.0 °C	3.1 ± 0.4 °C
	123-24-120	8.3 ± 0.9 °C	
Patient Landmarking Criteria	No restrictions		
Patient Position in Scanner	No restrictions		

MR Image Artifact	The presence of a product of the type <i>aixstent OEC</i> may produce an image artifact. Some manipulation of scan parameters may be required to compensate for the artifact. In vitro assessment on a comparable product (<i>aixstent OES</i>) at 1.5T showed: • On spin echo sequences a maximal artifact width of 25 mm (surrounding the device) • On the corresponding gradient echo sequences a maximal artifact width of 15 mm (surrounding the device)
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