



# TECHNICAL SHEET



QuiremScout™ consists of low dose holmium-166 (poly-L-lactic acid) (PLLA) microspheres, and is intended for evaluation of lung-shunt, extrahepatic deposition and intrahepatic distribution of intra-arterially injected microspheres to assess whether a patient is eligible for SIRT.

- ▷ QuiremSpheres® consists of therapeutic holmium-166 PLLA microspheres and is indicated for the SIRT treatment of unresectable liver tumours.
- ▷ Q-Suite™ is a dosimetry software and is intended to support the evaluation of the medical treatment with radioactive holmium-166 microspheres. The medical device software calculates the tissue absorbed radiation dose after injection of radioactive holmium-166 microspheres based on medical images.

## PRODUCT CHARACTERISTICS AND SPECIFICATIONS\*

	 	 
Particle		
Isotope	Holmium-166	Holmium-166 ▷
Material	poly-L-lactic acid (PLLA)	poly-L-lactic acid (PLLA) ▷
Particle size (µm)	30 (15-60)	30 (15-60) ▷
Gamma energy	81 keV	81 keV ▷
Beta radiation (E <sub>max</sub> )	1.77 MeV (48.7%) 1.85 MeV (50.0%)	1.77 MeV (48.7%) 1.85 MeV (50.0%) ▷
Half-life (hours)	26.8	26.8 ▷
Amount of microspheres (million)	3	8-12.5 (3 GBq) ▷
Activity administrated	250 MBq	1 GBq - 15 GBq ▷
Contra-indications*	<ul style="list-style-type: none"> <li>• Are not eligible for SIRT</li> <li>• Have uncorrectable abnormal vascular anatomy that would result in significant reflux of hepatic arterial blood to the lungs, stomach, pancreas or bowel</li> </ul>	<ul style="list-style-type: none"> <li>• &gt;30 Gy lung dose during SIRT work-up</li> <li>• Uncorrectable extrahepatic deposition*</li> <li>• Activity in the falciform ligament, portal lymph nodes and gallbladder is accepted*</li> </ul>

\*Only contra-indications related to SIRT work-up are provided. For the full list of contraindications, refer to the QuiremSpheres® Instructions for Use.

## Q-SUITE™ SOFTWARE INFORMATION\*

Q-suite™ version 1.2	
Software requirements	<ul style="list-style-type: none"> <li>x64 based computer running Microsoft Windows 7, 8.1 or 10</li> <li>Microsoft .NET version 4.5.2 framework</li> </ul>
Hardware recommendations	<ul style="list-style-type: none"> <li>Dual-core CPU, 2.0GHz or higher</li> <li>16 GB RAM</li> <li>SSD with 20 GB free disk space</li> </ul>

## REGULATORY INFORMATION\*

- ✓ QuiremSpheres® and QuiremScout™ are designed, manufactured and distributed according to ISO 13485
- ✓ All products and packages do not contain components of natural rubber (latex)
- ✓ QuiremSpheres®, QuiremScout™ & Q-suite™ have received CE mark.

CE 0344

## ORDERING INFORMATION\*

Item reference	Product	Description
QS-V001	QuiremSpheres®	V-vial containing of Holmium-166 PLLA microspheres
QS-S001	QuiremScout™	V-Vial containing a small quantity of Holmium-166 PLLA microspheres with low activity
QS-Q001	Q-Suite™	Dosimetry software for Holmium-166-SIRT
QS-C001	Customer Kit	Set of re-usable administration box and accessories for administration of QuiremSpheres® and QuiremScout™
QS-C003	Vial Holder	Vial holder for patient administration kit for QuiremSpheres® and QuiremScout™
QS-D001	Delivery Set	Set of disposable products for patient administration QuiremSpheres® and QuiremScout™
QS-T001	TestSpheres	V-Vial with Holmium-166 microspheres for calibration purposes
QS-T002	HolmiumSolution	V-Vial with HoCl solution for calibration purposes

\*For the complete information, please look at the IFU of Quiremspheres®, QuiremScout™, Q-suite™ or contact your local Terumo representative.



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