



QuadraSphere[®]

Microspheres

EXPERIENCE THE POWER
OF CONFORMABILITY^{1,2}.



QuadraSphere®

Microspheres



PREDICTABLE, FLOW-DIRECTED TARGETING

QuadraSphere® Microspheres are calibrated, hydrophilic, and compress up to 70% to facilitate smooth microcatheter delivery. Once through the microcatheter, they rebound to their stated spherical shape with a consistent cross-sectional diameter for predictable, flow-directed targeting⁴.

TARGETED OCCLUSION

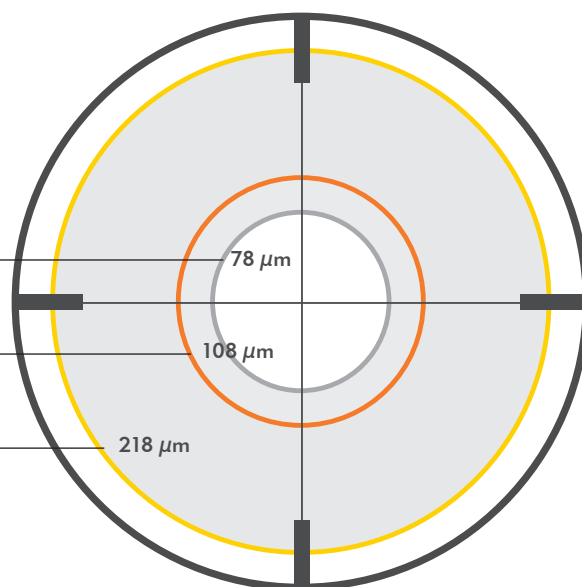
The in vivo median diameter of occluded arteries is significantly different between sizes of QuadraSphere Microspheres,* providing targeted occlusion⁴.

Median Diameter of Occluded Arteries

QuadraSphere Q2™ 20–40 μm ●

QuadraSphere 30–60 μm ●

QuadraSphere 50–100 μm ●



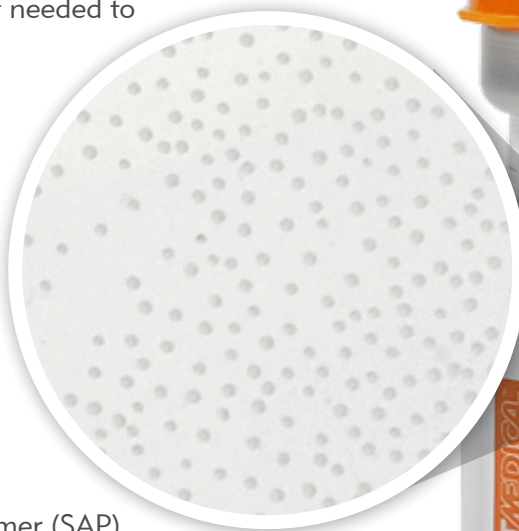
*Swine liver embolization model study performed for Merit Medical. QuadraSphere Microspheres prepared in 50/50 mixture of saline/contrast.



EXPERIENCE THE POWER OF CONFORMABILITY

QuadraSphere Microspheres are soft and easily conform to the vessel lumen for complete occlusion^{1,2}:

- Decreasing the risk of vessel recanalization^{1,2}
- Enabling extensive tumor necrosis³
- Providing optimal contact between the vessel wall and microsphere surface²
- Reducing the amount of product needed to reach embolization endpoint¹



Referred to as super-absorbent polymer (SAP) microspheres, QuadraSphere Microspheres are packaged dry, but once exposed to aqueous-based media, they swell to approximately 4x the size printed on the product label⁴.



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TRUSTED AND ESTABLISHED

QuadraSphere Microspheres are a recognized and accepted platform for targeted liver embolization. QuadraSphere Microspheres are indicated for use in embolization of hypervascularized tumors including hepatoma, and peripheral arteriovenous malformations.



ORDERING INFORMATION

Catalog Number	Dry Size (µm)	Hydrated Size (µm)	Color Code
QUADRASPHERE Q2 MICROSPHERES			
V125QS	20–40	80–160	Gray
QUADRASPHERE MICROSPHERES			
V225QS	30–60	120–240	Orange
V325QS	50–100	200–400	Yellow

QuadraSphere Microspheres are packaged dry; 25mg per vial; 1 vial per box. Must be reconstituted before use.

REFERENCES

1. Bilbao JJ, de Luis E, Garcia de Jalón JA, et al. Comparative study of four different spherical embolic particles in an animal model: a morphologic and histologic evaluation. J Vasc Interv Radiol 2008 Nov;19(11):1625-38.
2. De Luis et al. 2007. "In Vivo Evaluation of a New Embolic Spherical Particle (HepaSphere) in a Kidney Animal Model." Cardiovasc Intervent Radiol 31, no. 2 (Mar–Apr): 367–76. doi: 10.1007/s00270-007-9240-1.
3. Osuga et al. 2001. "Transarterial Embolization for Large Hepatocellular Carcinoma with Use of Superabsorbent Polymer Microspheres: Initial Experience." J Vasc Interv Radiol 2002; 13:929–934
4. Data on file

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Understand. Innovate. Deliver.™

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