HydroPearl™
Microspheres

A TARGETED APPROACH

for precise embolization

TERUMO
INTERVENTIONAL SYSTEMS

EXPAND YOUR EMBOLIZATION PRACTICE

HydroPearl™ microspheres are:

- Biocompatible and non-resorbable
- First and only Polyethylene Glycol (PEG) microspheres
- Engineered for the treatment of uterine fibroids, arteriovenous malformations (AVMs) and other hypervascular tumors

Explore the advantages of the complete portfolio of embolization solutions

Progreat® Microcatheters

Progreat Alpha™ Peripheral Microcatheter

Glidecath® Hydrophilic Coated Catheter

AZUR® Embolization System

TERUMO INTERVENTIONAL SYSTEMS

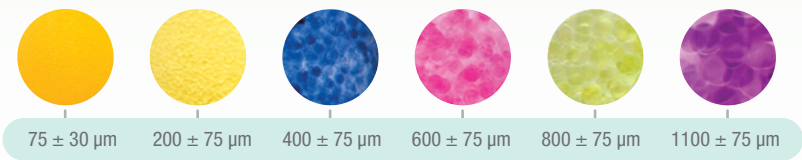
HydroPearl™ Microspheres

A RELIABLE APPROACH TO EMBOLIZATION

Predictability and quality you can see

HydroPearl™ microspheres reinforce your confidence in procedural success

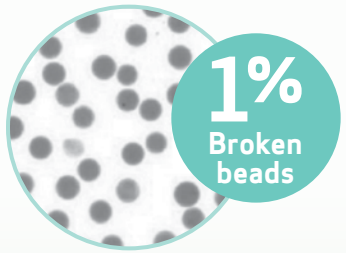
Added assurance for proper syringe selection with six color-coded sizes – from 75 µm to 1100 µm.[1]



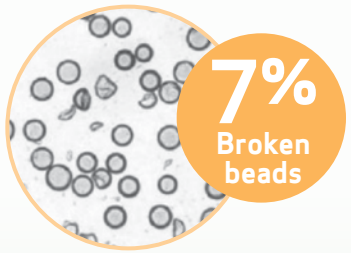
Ease of use with enhanced suspension characteristics for even bead distribution.[2]

Significantly fewer broken beads when mixed between syringes.[2]*

HydroPearl™ 600 ± 75 µm



Embosphere® 500 – 700 µm

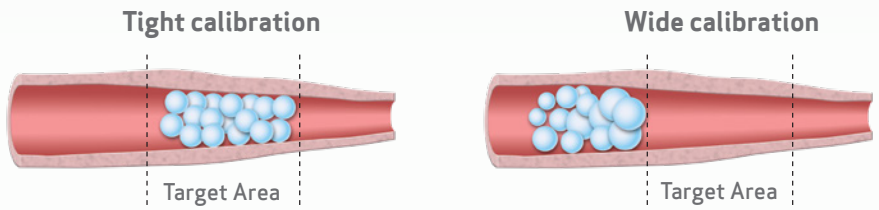


*≤200 beads per sample mixed 20 times, followed by microscope inspection and measurement.

Deliver particles with confidence

HydroPearl™ microspheres are engineered for more accurate embolization at the target area[2,3†]

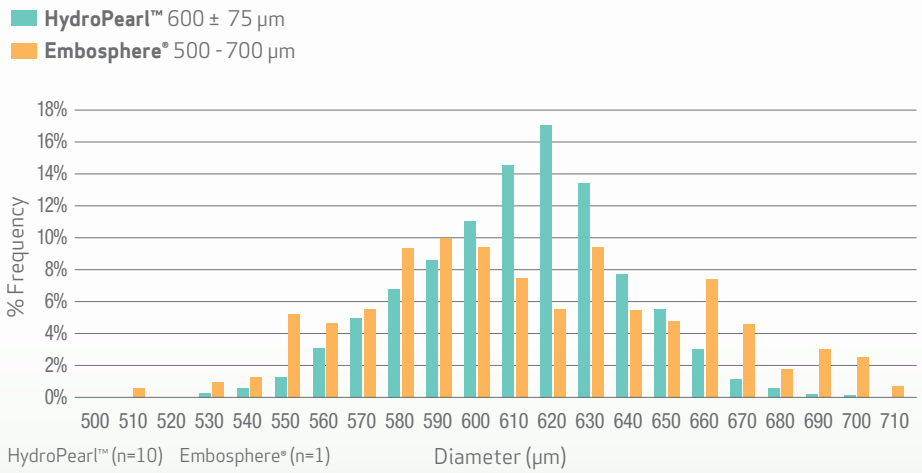
Uniform sizing allows for more predictable particle distribution.



†Calibration data is 6 lots per each size of randomly selected HydroPearl™ with 1 lot of competitive products. Sampling done at minimum 150 microspheres per syringe.

Tighter calibration closely matches specifications

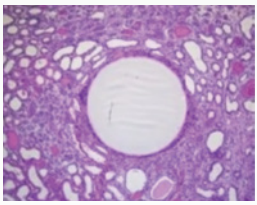
More than 90% of HydroPearl™ microspheres are within the range of label measurements.[2]



Proven compressibility and resilience

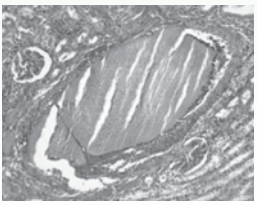
HydroPearl™ microspheres are able to retain shape, without deformation,‡ after compression through a microcatheter[2,4]

HydroPearl™



Retains spherical shape

Embozene™



May not retain spherical shape

‡H&E stain images *in-vivo*. HydroPearl™ in porcine vasculature. Embozene™ in sheep vasculature.[5]

Achieve optimal compressibility of HydroPearl™ microspheres with Progreat®, Progreat Alpha™, and GlideCath®.[2]

TERUMO Catheter Capability

HYDROPEARL™ SIZES (µm)	75 ± 30 µm	200 ± 75 µm	400 ± 75 µm	600 ± 75 µm	800 ± 75 µm	1100 ± 75 µm
PROGREAT® 2.0 Fr	✓	✓	✓	•	•	•
2.4 Fr	✓	✓	✓	✓	•	•
2.7 Fr	✓	✓	✓	✓	✓	•
2.8 Fr	✓	✓	✓	✓	✓	•
GLIDECATH® 4.0 Fr	✓	✓	✓	✓	✓	✓

✓ HydroPearl™ Compatible • Non-Compatible

TERUMO INTERVENTIONAL SYSTEMS

PUSHING BOUNDARIES

Terumo Interventional Systems is **committed to your success** with innovative procedural solutions and ongoing support for your most challenging cases.

We are relentlessly seeking new ways to help you apply effective solutions and achieve **better outcomes for more patients.**

ORDERING INFORMATION

HYDROPEARL™ microspheres

PRODUCT CODES	HYDROPEARL SIZES (µm)	VOLUME OF MICROSPHERES (ml)	MICROSPHERE COLOR
HP2S0075	75 ± 30 µm	2	Orange
HP2S0200	200 ± 75 µm	2	Yellow
HP2S0400	400 ± 75 µm	2	Blue
HP2S0600	600 ± 75 µm	2	Red
HP2S0800	800 ± 75 µm	2	Green
HP2S1100	1100 ± 75 µm	2	Purple

HydroPearl™ microspheres are contained in a 20cc pre-filled syringe of sterile physiological buffered saline (PBS).
3-year shelf life from date of manufacture.

FIND OUT MORE

Phone: 800.888.3786 terumois.com

INTENDED USE:
The HydroPearl™ microspheres are intended for the embolization of arteriovenous malformations and hypervascular tumors, including uterine fibroids.[2]

References:

1. IFU to - PD111835 Rev. B Revised 2020-02. **2.** Data on file. **3.** Paprottka KJ, et al. *In-vitro* study of physical properties of various embolization particles regarding morphology before, during and after catheter passage. *Clin Hemorheol Microcirc.* 2016;64(4):887-898. **4.** Verret V, et al. The arterial distribution of Embozene and Embosphere microspheres in sheep kidney and uterus embolization models. *JVIR.* 2011;22(2):220-228. **5.** Reprinted from *Journal of Vascular and Interventional Radiology*, 22(2), Verret V, et al. The arterial distribution of embozene and embosphere microspheres in sheep kidney and uterus embolization models, pp220-223, 2011, with permission from Elsevier.

RX ONLY. Refer to the product labels and package insert for complete warnings, precautions, potential complications, and instructions for use.

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