



Nexsphere™

Embolic Gelatin Microspheres

**Resorbable Microspheres.
Tailored Embolization.**



Nexsphere™

Embolitic Gelatin Microspheres

Nexsphere™ is a gelatin based hydrophilic material for endovascular embolization that is used together with a contrasting agent during vascular embolization for therapeutic and treatment purposes. It is injected into the blood vessel through a microcatheter in order to temporarily occlude the blood vessel. Nexsphere™ is a resorbable microsphere that exhibits embolic performance in a variety of indications with uniform spherical particles, high elasticity and strong cohesion.

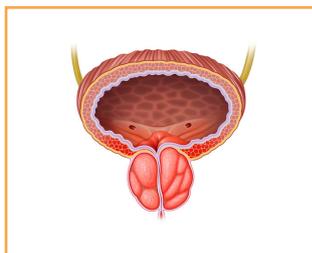
| Indication



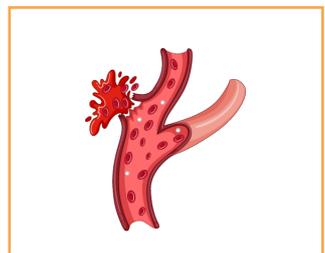
Liver cancer



Uterine fibroids



Prostatic hyperplasia



Arterial bleeding

| Features



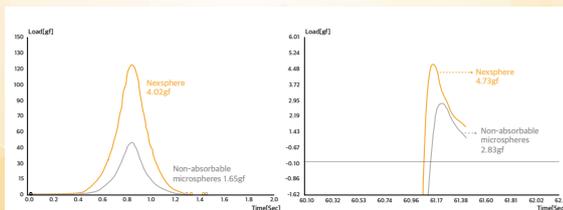
Nexsphere™



Gelatin sponge

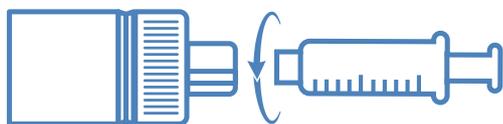
Resorbable microspheres

Temporary embolization microspheres composed of gelatin



Optimal performance

High elasticity and strong cohesion¹⁾



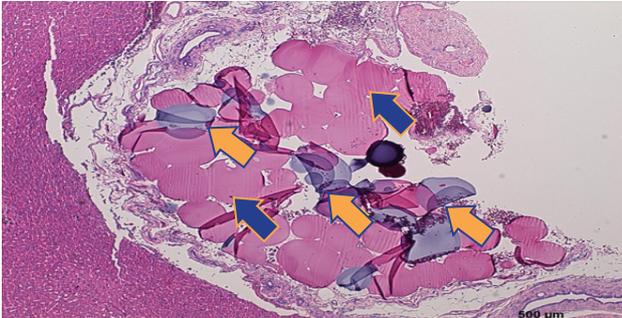
Patented vial design

Vial designed for contamination prevention
(Korean design patent No : 3009879200000)

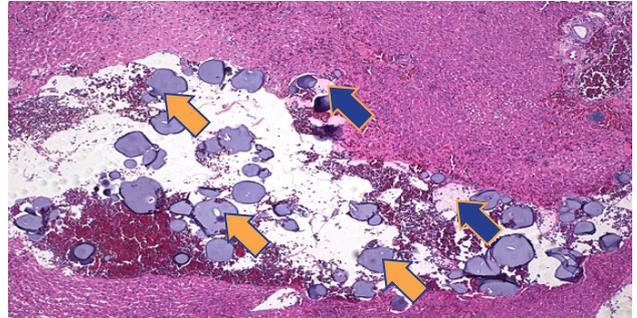
Tailored to various indications

Resorbable within 24 hours, applicable to various indications²⁾ (Nexsphere-H[®])

Histology of Rat Liver³⁾



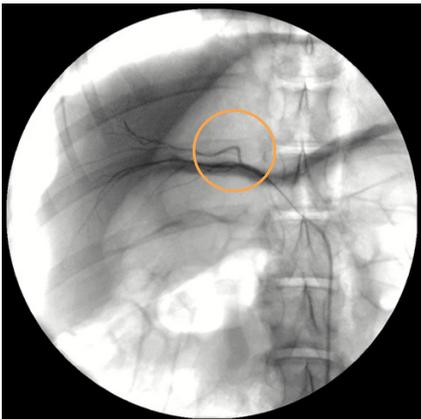
Embolization



Few hours after embolization

← Non-Resorbable product
 ← Resorbable product

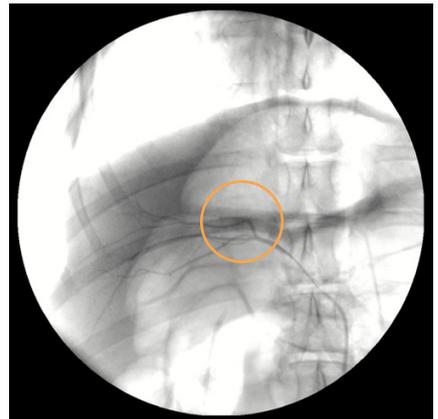
Angiography of Porcine Kidney³⁾



Pre-embolization



Embolization



Recanalization few hours after embolization

Preclinical study

Porcine kidney embolization³⁾

Angiography



Before embolization

1 week after embolization

4 weeks after embolization

CT scan



Before embolization

1 week after embolization

4 weeks after embolization

1) In-house elasticity and cohesion tests were performed on monolayers of microspheres with a texture analyzer.

2) In-house *in-vitro* degradation test showed that Nexpowder-H was degraded in 37°C of warm saline within 24 hours.

3) Animal studies were conducted by external non-clinical CRO in Korea. Animal study results may or may not be indicative of clinical outcomes in humans.

| Instructions for use



1

Inject the saline into Nexsphere™ vial using luer lock syringe and shake to disperse and hydrate microspheres



2

Inject the contrast medium into Nexsphere™ vial with saline using luer lock syringe and shake for minutes to mix the contents



3

Transfer the mixed contents to a syringe



4

Inject the mixed Nexsphere™ contents into the lesion via a standard catheter

| Product Specification

Ordering code	Size(μm)	Weight(mg)	Applicable Catheter Size			
			Outside Diameter		Inside Diameter	
			Fr	mm	Inch	mm
UIGB 100	100-300 ■	300	1.7	0.60	0.017	0.43
UIGB 300	300-500 ■	300	1.7	0.60	0.017	0.43
UIGB 500	500-700 ■	300	1.9	0.64	0.019	0.48
UIGB 700	700-900 ■	300	2.8	0.93	0.027	0.70
Nexsphere-H	100-300 ■	250	1.7	0.60	0.017	0.43



NEXTBIOMEDICAL CO., LTD.

6, Venture-ro 100beon-gil, Yeongu-gu, Incheon, Korea 22013
 T. +82-32-454-4822 F. +82-32-454-4830 E. sales@nextbiomedical.co.kr
 www.nextbiomedical.co.kr

