



ORDERING INFORMATION

2 ML EMBOZONE TANDEM™ MICROSPHERES

40 ± 10 µm	75 ± 15 µm	100 ± 25 µm
10420-TS0	10720-TS0	11020-TS0

3 ML EMBOZONE TANDEM™ MICROSPHERES

40 ± 10 µm	75 ± 15 µm	100 ± 25 µm
10430-TS0	10730-TS0	11030-TS0

DIREXION MICROCATHETER

UPN	Order Number	Usable Length	Tip Shape	RO Markers
M001195200	19-520	105	Straight	1
M001195210	19-520	130	Straight	1
M001195220	19-520	155	Straight	1
M001195230	19-520	105	Bern	1
M001195240	19-520	130	Bern	1
M001195250	19-520	155	Bern	1
M001195270	19-520	130	J	1
M001195300	19-520	130	Swan	1
M001195320	19-520	130	Straight	2
M001195340	19-520	130	Bern	2

DIREXION MICROCATHETER PRE-LOADED SYSTEM
WITH FATHOM™-16 GUIDEWIRE

UPN	Order Number	Direxion Usable Length	Direxion Tip Shape	Fathom™-16 Guidewire Overall Length
M001195610	19-561	130	Straight	180
M001195640	19-564	130	Bern	180

DIREXION MICROCATHETER PRE-LOADED SYSTEM
WITH TRANSEND™-14 GUIDEWIRE

UPN	Order Number	Direxion Usable Length	Direxion Tip Shape	Transend™-14 Guidewire Overall Length
M001195810	19-581	130	Straight	165
M001195840	19-584	130	Bern	165

Recommended with
Direxion™ Torqueable Microcatheter

¹ Bonomo et al. Bland embolization in patients with unresectable hepatocellular carcinoma using precise, tightly size-calibrated, anti-inflammatory microparticles: first clinical experience and one-year follow-up. Cardiovasc Intervent Radiol 2010; 33(3):552-559.
² Tanaka et al. Pharmacokinetics and Antitumor Efficacy of Chemoembolization Using 40 µm Irinotecan-Loaded Microspheres in a Rabbit Liver Tumor Model. J Vasc Interv Radiol 2014; 25(7):1037-1044.e2.
³ Drug-eluting Beads in the Treatment of Hepatocellular Carcinoma and Colorectal Cancer Metastases to the Liver. J Blümmel et al. European Oncology & Haematology, vol 8, Issue 3, 2012.
⁴ Guiu et al. Idarubicin-loaded ONCOZONE drug-eluting embolic agents for chemoembolization of hepatocellular carcinoma: in vitro loading and release and in vivo pharmacokinetics. J Vasc Interv Radiol 2015; 26(2):262-270.

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Material not intended for use in France.
IO-456005-AB Printed in Germany by medicalvision.

Embozene TANDEM™
Microspheres

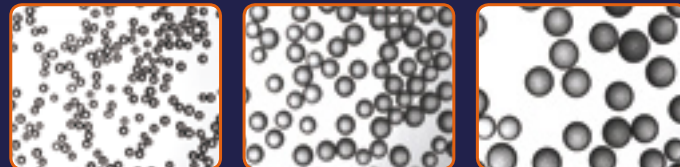
SIZED FOR
DEB TACE
SUCCESS

USING
Embozene
TECHNOLOGY

Deep targeted embolisation — Predictable & homogeneous tumor coverage

SMALL SIZES

Embozene TANDEM™ Microspheres offer small sizes : 40, 75 & 100 μm

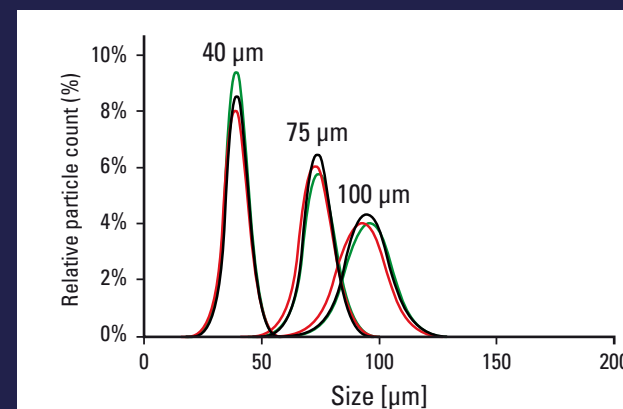


SMALL SIZES FOR DISTAL EMBOLISATION¹ AND DEEP TUMOR PENETRATION^{1,2}

Embozene TANDEM™ small sized Microspheres are designed to provide distal embolisation associated with possibly increased proximity to neoplastic tumor cells

TIGHT CALIBRATION AND SIZE STABILITY

Embozene TANDEM™ Size Distribution³



PREDICTABLE EMBOLISATION AND TARGETED DRUG DELIVERY THROUGH TIGHT CALIBRATION

- 95% of all microspheres are within the stated size variance, enabling controlled drug delivery when performing targeted tumor embolisation
- Size stability with typically less than 5% size change after loading Embozene TANDEM™ with drugs

LARGE NUMBER OF MICROSPHERES

	Microspheres per ml [10^6]
Embozene TANDEM™ 40 μm	17
Embozene TANDEM™ 75 μm	2.9
Embozene TANDEM™ 100 μm	1.1

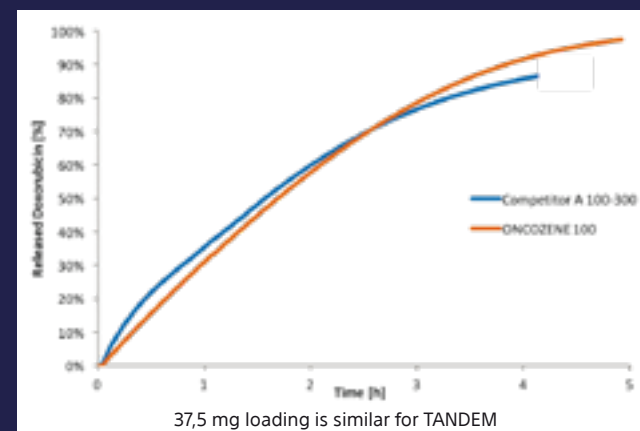
HOMOGENEOUS TUMOR COVERAGE AND COMPLETE EMBOLISATION^{1,3}

With up to 17 million small sized microspheres per milliliter, Embozene TANDEM™ is intended to offer an optimal spatial density and tumor coverage

Improved drug exposure

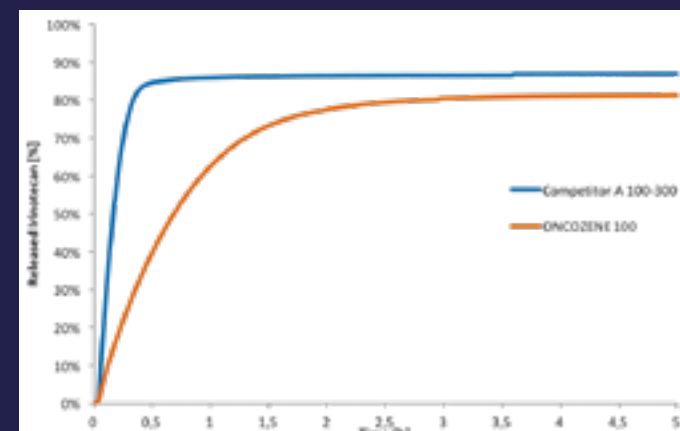
LOAD MORE & RELEASE LONGER^{3,4}

Release Profiles with Doxorubicin



37,5 mg loading is similar for TANDEM

Release Profiles with Irinotecan

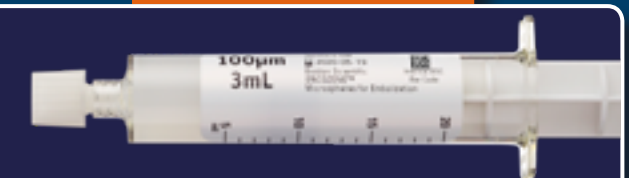


SUSTAINED DRUG EXPOSURE

- With a drug loading capacity of 50 mg/ ml, TANDEM™ offers the possibility to load a max. 150 mg dosage per patient
- Slow drug elution associated with small calibrated microspheres may lead to prolonged and higher drug tissue concentration

Consistent & reliable preparation

3 ml SYRINGE



EASY LOADING PROCESS

- Direct loading into the syringe
- Choice between 2 ml and 3 ml sized syringes
- Standardized and potential cost effective procedure using max dosage in a 3 ml syringe

EFFICIENT DRUG LOADING³

Microsphere	Doxorubicin (mg/ml microspheres)	Irinotecan (mg/ml microspheres)
Embozene TANDEM™	50	50

- High drug loading capacity up to 50 mg/ml microspheres
- Standardized loading across the sizes
- Clinical versatility through multiple drug loading options