

# Mixing Embozene Tandem® with Contrast Chart

Refer to the Tandem Directions for Use for additional contrast mixing information

- Add an appropriate amount of contrast agent to the 20 ml syringe containing microspheres to obtain homogeneous suspension and fluoroscopic visibility. Pure contrast agent or a mixture of contrast agent and water for injection (WFI) may be used.
- A mixture is especially recommended when less than 50 mg of drug per ml of microspheres has been loaded or when using contrast agent with iodine concentrations higher than 300 mg iodine / ml.
- Agitate the microspheres and contrast agent gently until a homogeneous suspension is achieved.



| TYPICAL NON-IONIC CONTRAST INCL. ISOVIST® (IOTROLAN) AND VISIPAQUE™ (IODIXANOL) |   |
|---|---|
| Iodine Concentration (mg/mL)  | Add 14 - 18 cc of recommended contrast concentration below to 20 ml syringe containing loaded microspheres                                |
| 400   | Mix contrast with WFI (50:50)   |
| 370   | Mix contrast with WFI (50:50)   |
| 350   | Mix contrast with WFI (50:50)   |
| 300   | Mix contrast with WFI (50:50)   |
| 270   | If 50 mg of drug per ml of microspheres has been loaded: Pure OR if less than 50mg of drug has been loaded: mix contrast with WFI (50:50) |
| 250/250   | If 50 mg of drug per ml of microspheres has been loaded: Pure OR if less than 50mg of drug has been loaded: mix contrast with WFI (50:50) |

Do not use ionic contrast with this product. Ionic contrast agents could alter the microsphere characteristics resulting in microsphere deformation and procedure failure. Caution: Do not use saline as it may interfere with drug-loading capability.

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