

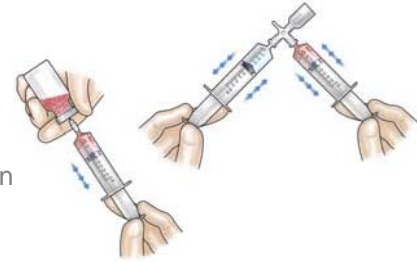


Drug Delivery Embolisation System for PRECISION TACE

Recommendations for DC Bead™ Microcatheter Delivery

Transfer the loaded DC Bead into a 10 ml syringe. Add an equal volume of non ionic contrast media and mix gently (a 3-way connector and syringe can be used)

**Note: Vigorous syringe-to-syringe transfer will not speed suspension!
It may create micro bubbles which will delay homogenous suspension.**



Allow the beads to equilibrate in the mixture for ideally 5-10 minutes before injection into a catheter (practical considerations may impact the ability to achieve this).

Aim for a static suspension, with a minimum number of beads sinking or floating.

- When beads sink, add more contrast. This raises the fluid density and will make the beads more buoyant.
- When beads float, add more saline. This lowers fluid density and floating beads should go into suspension.

Note: Mixtures in the range between 40:60 and 60:40 volume ratios may be needed to get the “ideal” suspension. Poor suspension may lead to catheter blocking.

- Too little contrast medium may lower radio-opacity.
- Too much contrast medium will increase resistance in the catheter and make the delivery syringe harder to push.

Attach the 10 ml syringe to the top port of a 3-way stopcock. Attach a 1 ml or 3 ml injection syringe to the second port. Close the stopcock to the remaining port and attach a delivery catheter at this time if desired. Close the stopcock to the 10 ml syringe. Using fluoroscopic guidance, inject the DC Bead/contrast solution mixture **using a slow, pulsatile injection**. If the DC Bead/contrast solution mixture requires re-suspension, gently invert the 10 ml syringe several times. Upon completion of the procedure, maintain gentle suction during catheter removal to prevent DC Bead microspheres from exiting the catheter lumen.

Note: The combination of a 2.7Fr catheter, with 500-700µm beads loaded with 37.5mg/ml doxorubicin, is operating at the tolerance of the catheter. A reduced bead size 300-500µm, or reduced drug loading concentration 25mg/ml doxorubicin will prevent catheter clogging.

For questions or further information please contact:

Biocompatibles UK Limited Chapman House, Farnham Business Park, Weydon Lane, Farnham, Surrey, GU9 8QL, UK
Tel: (+44) 1252 732 732 Fax (+44) 1252 732 777 email: marketing@biocompatibles.com www.biocompatibles.com