Step 1

Take flip cap off DC Bead® vial(s) but do not remove metal around the bung. For doses >50mg, more than one syringe will be required for loading DC Bead® with doxorubicin solution. Transfer each vial of DC Bead® via an 18-gauge needle or equivalent into a 50-60ml syringe.

Step 2

Expel excess packing solution from the syringe. A 5-micron filter needle can help with this process.

Step 3

Draw up the required dose of doxorubicin into the syringe containing DC Bead® before standing for required loading time.

Step 4

When loading time is complete, expel the excess liquid from the syringe. A 5-micron filter needle can help with this process.

Step 5

To prepare the loaded DC Bead® for injection, add 5-10ml of non-ionic contrast medium per ml of DC Bead® and mix gently to give a good suspension. Inject solution at a rate of 1ml per minute.

After loading, the solution in the syringe will retain some red colouration as shown. This is to be expected and is not an indication that the DC Bead® has failed to load.

Loading and preparation of DC Bead® must be carried out using strict aseptic technique under controlled conditions.