

Loading of DC Bead® using Doxorubicin POWDER in syringe



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.



To give required dose of doxorubicin	Number of vials doxorubicin powder (50mg)	Number of vials of DC Bead
75mg	2	1
100mg	2	2
150mg	3	2

Physical and chemical stability	DC Bead 100-700µm
Doxorubicin-loaded DC Bead (75mg/2ml)	14 days (at 2-8°C)
Doxorubicin-loaded DC Bead with non-ionic contrast	7 days (at 2-8°C)

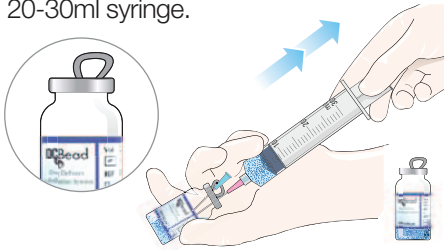
Doxorubicin Uptake	100-300µm	300-500µm	500-700µm
90%*	30 minutes	45 minutes	60 minutes
98%*	60 minutes	90 minutes	120 minutes

* Tolerance of ±3%

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

Step 1

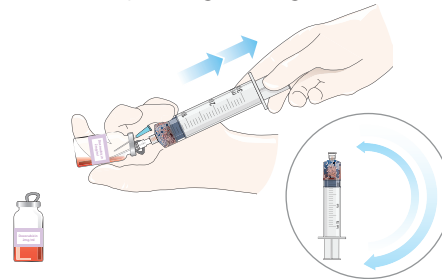
Take flip cap off DC Bead vial(s) but do not remove metal around the bung. Transfer each vial of DC Bead via an 18-gauge needle or equivalent into a 20-30ml syringe.



POWDER

Step 4

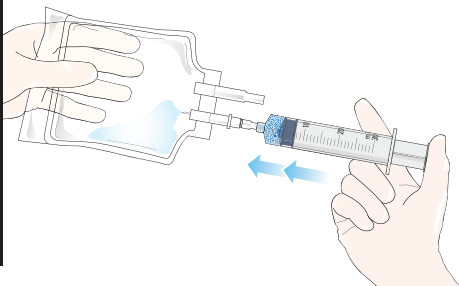
Draw up the required dose of doxorubicin into the syringe containing DC Bead. Gently agitate the mixture occasionally during loading time.



POWDER

Step 2

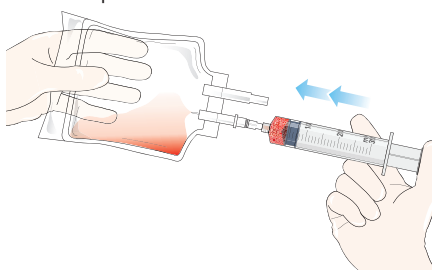
Expel excess packing solution from the syringe. A 5-micron filter needle can help with this process.



POWDER

Step 5

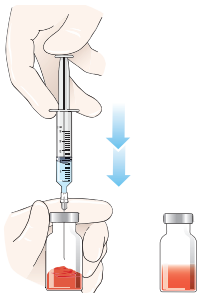
When loading time is complete, expel the excess liquid from the syringe. A 5-micron filter needle can help with this process.



POWDER

Step 3

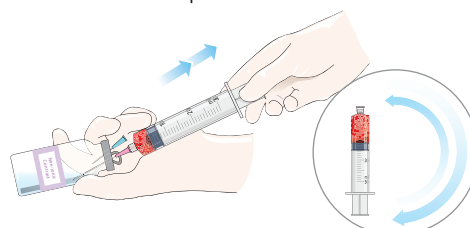
Reconstitute each vial of doxorubicin powder with 2ml of sterile water for injection (NOT sodium chloride). Mix well.



POWDER

Step 6

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.



POWDER

DC Bead® Ordering Information

Nominal Bead Size	Volume of Beads	Product Code
100-300µm	2ml	DC2V103
300-500µm	2ml	DC2V305
500-700µm	2ml	DC2V507

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