

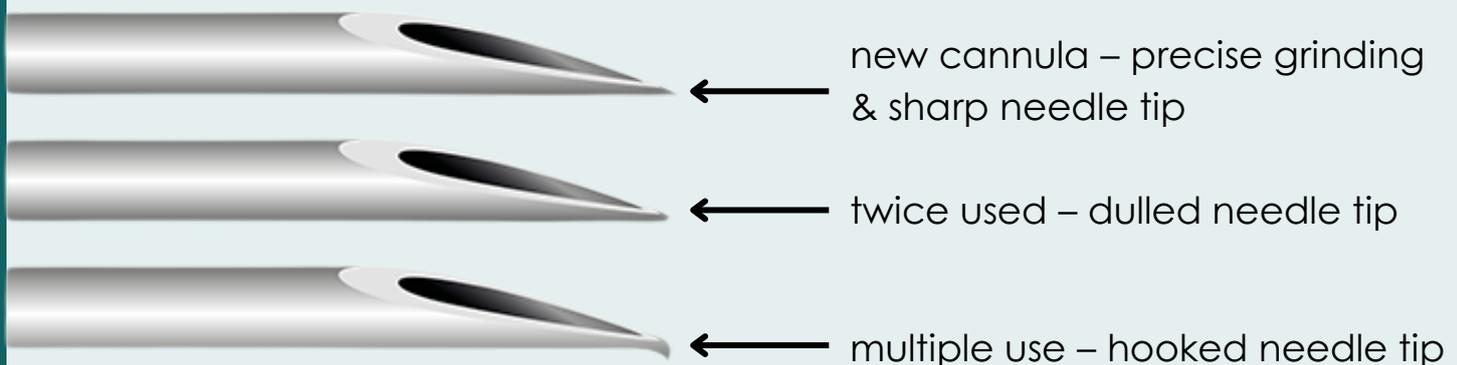
PEN NEEDLES ARE SINGLE USE ONLY!

droplet pen needles are sterile and for single use only. Sterility is guaranteed if the needle seal is unbroken.

Remember! droplet pen needles should be used only once and disposed of in a sharps container.

Re-usage can:

- lead to needle breakage¹
- cause lipohypertrophy^{2,3}
- dull or bend the tip causing bleeding, bruising, or scarring^{3,4}
- increase the risk of the needle breaking off in the skin¹
- increase the risk of infection because the needle is no longer sterile⁴



SOURCES:

1. www.diabetes.co.uk; www.diabetes.co.uk/insulin/reusing-insulin-pen-needles.html
2. McNally P, Jowet N, Kurinczuk J, Peck R, Hearnshaw J. Lipohypertrophy and lipodystrophy complicating treatment with highly purified bovine and porcine insulin, *Postgrad. Med.* 64(1988) 850–853.
3. Frid AH, Kreugel G, Grassi G, Halimi S, Hicks D, Hirsch LJ, et al. New Insulin Delivery Recommendations. *Mayo Clin Proc.* 2016 Sep;91(9):1231-55
4. American Diabetes Association. Insulin administration. *Diabetes Care.* 2004;26(Suppl 1):S121–S124