



# BD Diabetes Care Pack

## Fact Sheet

Launched by Becton, Dickinson and Company (BD), the BD Diabetes Care Pack will supply up to 600 beneficiaries of South West Community Development Council (South West CDC) with a year's worth of BD Ultra-Fine™ PRO 4mm pen needles, alcohol swabs and a home sharps container for the safe disposal of needles after use.



### **BD Ultra-Fine PRO 4mm pen needles**

The BD Ultra-Fine™ PRO 4mm pen needle is BD's latest commitment to enhancing the insulin injection experience, specially redesigned with the user in mind. The 4mm pen needle is at the right length to penetrate the skin and enter the fat layer for all adults regardless of age, gender or BMI<sup>1</sup>, allowing users to receive the required insulin dosage with minimal risk of intramuscular injection.



### *Redesigned Contoured Needle Base*

The highly engineered contoured needle base of the BD Ultra-Fine™ PRO 4mm pen needle is redesigned to provide a reliable, consistent injection depth. It reduces the impact of unintended individual injection force differences with the distribution of injection force pressure around the injection site. Users are spared from the risk of intramuscular injections which is associated with pain, and the consequential potential risk of hypoglycemia due to variable insulin absorption.

### *Pentapoint™ Comfort 5-bevel Needle Tip*

BD's Pentapoint™ Comfort 5-bevel tip enters your skin more gently<sup>2</sup> than conventional 3-bevel tip needles, reducing pain during injections<sup>3</sup>.

<sup>1</sup> The Association of Diabetes Educators Singapore (ADES). FIT-SG. Recommendations for best practice in injection technique. <http://ades.org.sg/assets/FITSG.pdf>

<sup>2</sup> Hirsch L, et al. Impact of a modified needle tip geometry on penetration force as well as acceptability, preference, and perceived pain in subjects with diabetes. J Diabetes Sci Technol. 2012 Mar 1;6(2):328-35.



### *New Ergonomic Design for Easy Handling*

With resized and tactile ridges on its easy-to-use inner shield and outer cover, the BD Ultra-Fine™ PRO 4mm pen needle is easier to grip and remove compared to other pen needles studied<sup>3</sup>, facilitating the proper handling of every insulin injection. The ergonomic design helps you inject more easily and confidently.

### *Extra Thin Needle Walls for Easier and Quicker Injections*

The BD Ultra-Fine™ PRO 4mm pen needle facilitates easier and quicker injections through its EasyFlow Technology™; the extra thin needle wall results in a 149% increase in insulin flow rate, and a reduction in thumb force required to deliver insulin by 62%, making it easier for users with dexterity issues to administer their medication<sup>4</sup>.

### *Compatible with leading Insulin and GLP-1 pens*

The BD Ultra-Fine™ PRO 4mm pen needle is ISO 11608 Compliant and compatible with leading insulin and GLP-1 pens in Singapore.

## **BD Alcohol Swabs**

Thicker and softer than some other swabs, BD Alcohol Swabs ensure reliable site preparation for safe, hygienic insulin injections. BD Alcohol Swabs are:

- Individually foil wrapped for convenience
- 70% Isopropyl Alcohol for optimum anti-bacterial action
- Sealed in a four layer wrapper which prevents leakage and drying out
- Manufactured by BD
- MSDS Sheet



## **BD Home Sharps Container**

The BD Home Sharps Container enables the proper disposal of insulin pen needles and insulin syringes after use, protecting users and their loved ones from possible needle stick injuries. The BD Home Sharps Container is:

- Puncture resistant
- Leak resistant
- Permanently locked with a snap-top lid



<sup>3</sup> Whooley S, Briskin T, Gibney MA, Blank LR, Berube J, Pflug BK. Evaluating the User Performance and Experience with a Re-Engineered 4 mm × 32G Pen Needle: A Randomized Trial with Similar Length/Gauge Needles. *Diabetes Ther.* 2019; doi: 10.1007/s13300-019-0585-7.

<sup>4</sup> Aronson R. (2012). The role of comfort and discomfort in insulin therapy. *Diabetes technology & therapeutics*, 14(8), 741–747.