



## The BD Hypak™ for Vaccines Glass Prefillable Syringe with 5-bevel needle

Confidently partner with BD in vaccine delivery systems

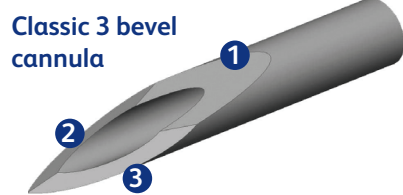
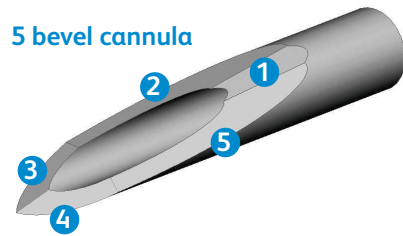
### Enhance your vaccine delivery system:

- Improve needle performance by reducing needle deformation and needle hooks<sup>1</sup>
- Reduce penetration force<sup>2</sup>
- Improve needle point resistance and reduce variability within and between batches<sup>1</sup>



# BD Hypak™ for Vaccine Glass Prefillable Syringe with 5 bevel needle

## Needle point



- The design and cutting angles of the BD™ 5 bevel needle geometry have been engineered to provide both strength and comfort.
- This design offers better resistance, resulting in a significant reduction in axial deflection of up to 14% with the 25G 5/8in RW 5B compared to the 3B configuration<sup>1</sup>.
- The BD™ 5 bevel needle has a larger width at the tip, in contrast to the 3 bevel needle.

## Improved needle penetration

### Comparative bench test. BD™ 5 bevel needle vs 3 bevels\*

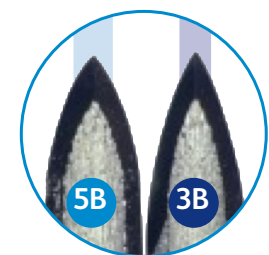
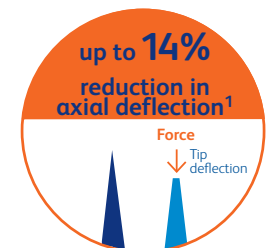
Participants perceive BD™ 5 bevel as having decreased penetration force, increased comfort, being easier to insert and overall preferable compared to BD 3 bevel needle<sup>2</sup>

Participants rated 5-bevel needles as significantly more preferable to 3-bevel needles by ~6 to 9 fold<sup>2</sup>

**98% of home users found the 5-bevel design acceptable<sup>2</sup>**

\* Using 31G

## BD™ 5 bevel needle vs 3 bevel needle



No regulatory change | No stability studies required | Just a new logistic product code

Using proven technology, BD has developed the BD™ 5 bevel needle, which offers improved resistance to axial deflection, enhancing needle tip strength and reliability<sup>1</sup>.

\*Compared to BD 3 bevel needle

1. BD internal study, bevel tip deflection evaluation EF 20241772, BD Medical- Pharmaceutical systems le Pont-de-Claix - 23 May 2024

2. Geometry on Penetration Force as well as Acceptability, Preference, and Perceived Pain in Subjects with Diabetes. Hirsch L, Gibney M, Berube J, Manocchio J. 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;6(2):328-<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3380774/336>

BD Medical  
Pharmaceutical Systems

United States: 1 Becton Drive, Franklin Lakes, NJ 07417, +1 800 225 3310

Europe: 11 rue Aristide-Bergès, 38800 Le Pont-de-Claix, France, Phone: +33 4 76 68 36 36 - Fax: +33 4 76 68 35 05  
Becton Dickinson France S.A.S - Share capital: 64 719 915 € RCS Grenoble B 056 501 711

[bd.com](http://bd.com)

BD, the BD logo and Hypak are trademarks of Becton, Dickinson and Company. ©2024 BD. All rights reserved.

