

Best Practice Needle Insertion through
Hypurin® Insulin Vial Bungs

Angle of insertion of the hypodermic needle through the rubber bung is of critical importance. If incorrect, a penetration through the thicker part of the bung or even in to the side of the vial would result in difficulty penetrating the bung and would also cause damage to the hypodermic needle.

The target area in the top of the vial bung is key to satisfactory insertion of the hypodermic needle through the rubber bung.

As indicated on the right, there are three possibilities of hypodermic needle insertion, only one of these is correct.

- Method number (3) shows the correct method of needle penetration through the vial bung. The needle should be penetrated straight down in the middle of the target area through the thinnest part of the vial bung. This will result in satisfactory needle penetration.
- Incorrect method number (2) shows the needle penetrating the vial bung through the target area but at a slight angle. This insertion is similar to method number (1) in that greater resistance to penetration will be observed due to penetration through the thicker part of the bung. In addition to this, if there is a greater angle of insertion of the hypodermic needle, there exists the possibility that the needle could ‘scrape’ the inside of the glass vial, potentially damaging the needle tip.
- Incorrect method number (1) shows the needle penetrating the vial bung outside of the target area straight down through the thicker part of the vial bung. This method will result in difficulty penetrating the rubber bung.

