

Mini insulin cooler bag

Patients with diabetes in the world each year gradually rise, and insulin syringe pen eliminates the cumbersome process of people with insulin in insulin vial, and reduce the embarrassment in public insulin injections. According to scientific statistics, the annual global production of insulin pen, occupy a large portion of medical products.

The unopened insulin pen refills require cold storage at 2-8 °C, valid and has been opened insulin pen need about stored in 30 °C. Many countries and regions always keep in high temperature state. It is not conducive to the preservation and use of insulin pen, to require regular insulin injections a day trip patient great inconvenience.



Therefore, businesses in many developed insulin refrigerated containers. Insulin refrigerated box with the international advanced semiconductor cooling system technology, specifically for the use of biological agents to carry user in high temperature environments, storage medicines tailored micro drugs cold boxes.

However, because the volume is too large, inconvenient to carry, the price is too expensive, and many other reasons, the freezer is not very wide range of applications.

Later, the insulin cooler bags came into being.

Insulin cooler bags, also known as insulin refrigerated bags, traveling bags, insulin cooler wallet, etc. Its volume is between 15-25cm. Use cool beads and water cooling technology, which allows insulin to maintain at 16-28 °C, and continue 4-6h. Small volume, easy to carry, popular prices and other advantages, which has been get a growing number of medical institutions and patients with recognition.

Do you know how to use it?



The bead in the inner pouch can be started keep hypothermia when it came across the low temperature water, which is the principle of the cooler bag.

First, take out the inner pouch, Immerse the inner pouch, containing crystals, in cold water.

Soak for the relevant time for the size wallet we have purchased. We just need to remove the pouch from the water when the gel tubes are approximately $\frac{3}{4}$ full. (approx five to twelve minutes).

second, take out the pouch from the water. Gently wipe, back into the cooler bag.

third, put the insulin pen into the cooler bag, which containing the activated bead. Then we can go everywhere we want.

The inner pouch should be re-immersed in water when the quantity of gel reduces and gel starts to return to its crystal form, i.e. crystals can be felt in the panels. When in continuous use, succeeding immersion periods will be shorter, i.e. 3-4 minutes, as the crystals are always in gel form. It is extremely important that the correct amount of water is absorbed during immersion because over-soaking causes the wallet to become too swollen to be used! Should this occur, the wallet must be allowed to dry naturally until it returns to a usable size.

The insulin cooler bag with inner pouch is reusable.



When not in use, remove the inner pouch from the bag and allow it to completely dry out naturally until the gel returns to crystal form. To keep the crystals separate, give the pouch an occasional shake whilst drying out. When completely dry, your bag should be stored in dry conditions until next required. The drying out period can take 2-4 weeks depending on the environmental climate.

In addition to saving insulin pen, it'll also store other drugs require cold storage. Specific preservation method may decide, after detailed consultation with professionals.

