

# COLD TEMPERATURE WARNING!



Inspect your Fusion Xpress syringes to see if the particles have settled. Cold temperatures can cause the graft particles to settle and this can make it difficult to express the graft from the syringe.



**WHY DOES THIS HAPPEN?** Fusion Xpress Putty is bone graft particulate suspended in a carrier gel. The gel is a special “reverse phase” polymer. At room temperature it is a firm gel with the great characteristics that resist irrigation, but **at refrigerated temperatures it becomes liquid.** During shipping in winter months, cold temperatures may cause the carrier gel to return to its liquid form allowing the bone particulate to settle out of suspension.

## IS IT SAFE TO USE?

Yes! Even without following the steps below, the sterility or efficacy of a separated graft is not compromised, nor does it adversely affect the osteoinductive and osteoconductive properties of the graft. However, separation can make it difficult to express from the syringe.

## WHAT TO DO IF YOUR FUSION XPRESS HAS SEPARATED:

1. Place the separated Fusion Xpress dose (the entire box or just the syringe in its peel pouch) in your refrigerator. This will return the gel to a liquid.
2. Wait at least 30 minutes (up to overnight) until the particles completely settle to the bottom of the gel. You may see a bubble at the top indicating it has become liquid.
3. Remove from the fridge, hold syringe upright and turn the syringe pouch (or box) over slowly several times allowing the particles to fall through the liquified putty carrier. You will see them become evenly distributed.
4. As it warms to room temperature the mixing will slow. This will take just a few minutes. A good way to bring it to room temperature is warm it between your hands or tuck it in your pocket, keeping it upright for a minute or so.
5. Be sure to store the re-mixed Fusion Xpress at room temperature. It will be as Xpressable as ever!

## IF ALREADY IN THE OR AND THE PUTTY WON'T EXPRESS EASILY:

The surgeon should aseptically use an elevator to scoop the separated putty out of syringe into a small dish and manually remix the putty, then reload into syringe or apply directly to surgical site.

## THANK YOU FOR PURCHASING FUSION XPRESS BONE PUTTY.

If you have any additional questions please give us a call at 1-800-558-5223.

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