

## Title: Thermax Encapsulated Indicators

## Sector: Medical

## Overview: Absorbable Sutures

### Introduction/Project

Absorbable sutures (or dissolvable stitches) are used to hold wound edges temporarily until they have healed sufficiently to withstand normal stress. They are broken down by natural processes and depending on the material, the process can be from ten days to eight weeks. They are used in patients who cannot return for suture removal, or in internal body tissues. In both cases, they will disintegrate so that they do not leave foreign material or require further procedures.



### Aim:

Sutures must be secured in packaging which presents them sterile for use, in excellent condition. The sterility of the sutures must be maintained when storing, handling and preparing them for use. The integrity and strength of each suture must remain intact until it is in the surgeon's hands. Due to the critical nature of the product, it cannot be exposed to temperatures above 40°C as the structure of the material will start to break down.



Note: Pictures for example only

### Solution:

A leading medical company use Thermax® Encapsulated Indicators at 40°C to ensure that temperatures during transportation do not exceed this vital temperature.

