



## **Saline-Only Flush for Use with the Tru-Swab™ NAC Plus™**

Dear Customer,

August 2, 2005

Over the recent years there has been an increasing push for saline-only flushes in venous access devices (VAD). The current practice at most institutions accepts saline-only flushes for peripheral lines; however, they require flushing central venous catheters with a specific concentration of heparin in order to maintain patency in the line. The assumption for using heparin is that if any blood is present in the line, then it has potential risk for occlusions, phlebitis and potential blood stream infections (BSI). Unfortunately, heparin has potential risks of its own. The most significant being Heparin-induced Thrombocytopenia, a physiological reaction caused by Hyperthrombosis of the blood. The potential effects of Heparin-induced Thrombocytopenia are vein thrombosis, pulmonary embolisms and even death. The way to eliminate the use of heparin is to eliminate blood reflux into the catheter. The Tru-Swab NAC Plus eliminates the need for heparin through positive displacement of the fluid in the catheter. Upon disconnecting, the blood is positively displaced from the line, eliminating the concern for potential occlusions and possible BSIs. The Tru-Swab NAC Plus has been recognized in a 510K clearance, August 2005, to recommend a **Saline-Only Flush!**

If there are any questions or concerns please contact Medegen at 1-800-520-7999.

Sincerely,

Janice Tarwater  
Director of Marketing and Clinical Affairs