



## **BIOSYNERGY, INC.**

1940 E. Devon Avenue, Elk Grove Village, Illinois 60007  
(847) 956-0471 Toll Free (800) 255-5274 Fax (847) 956-6050  
e-mail: biosynergy@att.net website: www.biosynergyinc.com

### **TEMPTREND® II "CORE" TEMPERATURE TREND INDICATOR** **FOR MONITORING PATIENTS DURING TRANSFUSION THERAPY**

TempTrend® II indicator is a disposable, inexpensive liquid crystal forehead indicator which allows continuous monitoring of blood transfused patients to detect infused-induced hypothermia or hyperthermia at their onset. The TempTrend® II indicator has been adjusted by the manufacturer, Biosynergy, Inc., to reflect **"core" temperature as measured by oral thermometers. TempTrend® II is the size of a postage stamp – specifically designed to give a localized single-spot reading rather than a strip which stretches over a wider area of the forehead with a wider temperature variability.**

*The results of a clinical study of TempTrend® II, conducted by Richard C. Dart, M.D., Stanford C. Lee, M.D., Steven M. Joyce, M.D., and Harvey W. Meislin, M.D. at the Arizona Health Science Center, Section of Emergency Medicine, Tucson, Arizona, were presented at the American College of Emergency Physicians Annual Meeting. The study evaluated the reliability of TempTrend® II for continuous temperature monitoring in the Emergency Department. Elevated temperatures identified by TempTrend® II were confirmed by traditional oral temperature measurement.*

Although there are many types of intravenous therapy, blood transfusion therapy is one of the most important and a patient's progress can be dependent upon this therapy. **No matter what type of intravenous therapy is involved, an understanding of the basic principle is vital.** Patient temperature monitoring is also vital to watch for sudden change.

With any infusion there is a certain element of risk. The therapist and the nurse involved must know the potential hazards and how to prevent and predict their occurrence. **There are many signs and symptoms of transfusion/infusion reactions and may vary from mild sensation of chilliness with no temperature to severe chills and a dramatic rise in body temperature.** This reaction may occur at any time during or after the infusion, and occur most frequently within 30 to 60 minutes after transfusion has been completed.

**TempTrend® II indicators** are a cost effective method of monitoring a patient's temperature. The TempTrend® II indicator can be placed on the patient before therapy and remain on them during and after therapy to continuously monitor their body temperature trends.

**For a free sample or additional information, please call toll-free, 800-255-5274, or visit our website at [www.biosynergyinc.com](http://www.biosynergyinc.com).**