

TempTrend® II • TRANSFUSION COMPANION

**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 device has been adjusted by the manufacturer, Biosynergy, Inc., to reflect "core" temperature as measured by oral thermometers. It is the size of a postage stamp and designed this way to give a specific single-spot reading rather than a strip which stretches over a wider area of the forehead giving 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.; Harvey W. Meislin, M.D. at the Arizona Health Science Center, Section of Emergency Medicine, Tucson, Arizona, was 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 temperature identified by TempTrend® II were confirmed by traditional oral temperature measurement.

**Effects of Blood Transfusion**  
(reaction examples)

- 1) Febrile Reaction
- 2) Allergic Reaction
- 3) Hemolytic Transfusion
- 4) Bacterial Reaction
- 5) Hypothermia
- 6) Hyperkalemia



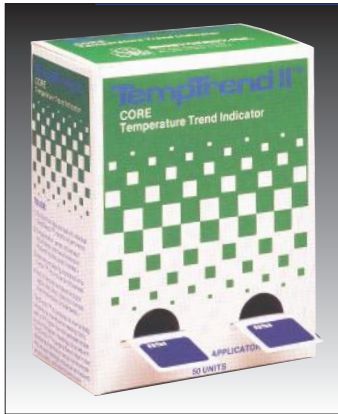
Although there are many types of intravenous therapy, blood transfusion therapy is one of the most important and a patient's progress can be dependent upon this therapy. **No matter what type of intravenous therapy is involved, an understanding of the basic principle is vital.** Patient temperature monitoring 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. It can be placed on the patient before therapy and remain on the patient during and after therapy to continuously monitor their body temperature trends. **If you would like additional information or a free sample of TempTrend® II, simply call toll-free, 800-255-5274**

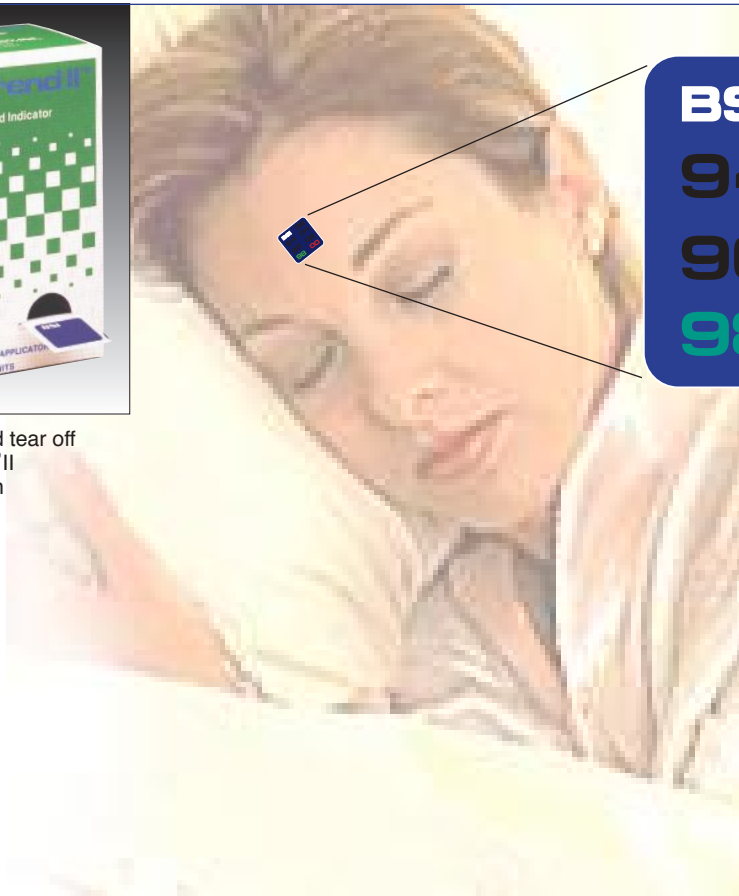


**SPECIFICATIONS**



Pull strip from box and tear off individual TempTrend® II indicator at perforation

Box contains 50 units



<b>BSI</b>	<b>06</b>
<b>94</b>	<b>04</b>
<b>96</b>	<b>02</b>
<b>98</b>	<b>00</b>

**Color interpretation**

- **TAN/RED:**  
Temperature is 1°F lower than the digit that appears
- **GREEN:**  
Temperature is indicated by the digit that appears
- **BLUE:**  
Temperature is 1°F higher than the digit that appears

**Example  
Viewing TempTrend® II**

<b>BSI</b>	<b>06</b>
<b>94</b>	<b>04</b>
<b>96</b>	<b>02</b>
<b>98</b>	<b>00</b>

**98.6°F**  
Normal forehead temperature reading

<b>BSI</b>	<b>06</b>
<b>94</b>	<b>04</b>
<b>96</b>	<b>02</b>
<b>98</b>	<b>00</b>

**96°F**  
Low forehead temperature reading

<b>BSI</b>	<b>06</b>
<b>94</b>	<b>04</b>
<b>96</b>	<b>02</b>
<b>98</b>	<b>00</b>

**103°F**  
Moderate-high forehead temperature reading

<b>BSI</b>	<b>06</b>
<b>94</b>	<b>04</b>
<b>96</b>	<b>02</b>
<b>98</b>	<b>00</b>

**105°F**  
High forehead temperature reading

