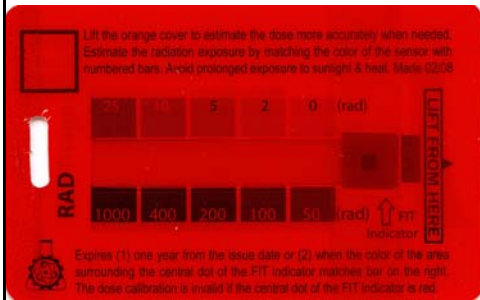


JP LABORATORIES, INC

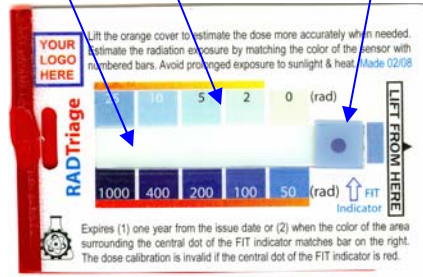
RADTriage-FIT™

A FULL DOSE RANGE SMART CASUALTY DOSIMETER WITH A LIFTABLE RED FLAP
From the Award-Winning SIRAD® Family of Dosimeters

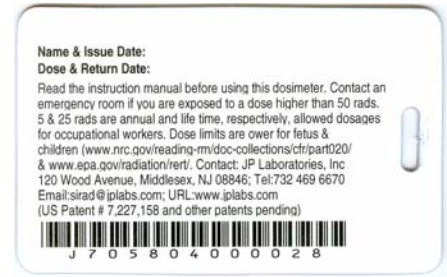


(RADTriage-FIT with red flap on)

Sensor Reference-bars FIT-indicator



(RADTriage-FIT with folded red flap)



(Back of RADTriage-FIT)

RADTriage-FIT™, a part of the **SIRAD®** (Self-indicating Intant Radiation Alert Dosimeter) family of SMART dosimeters, gives you peace of mind that you are reliably monitoring your radiation exposure. RADTriage-FIT with a red filter provides significantly longer life under sunlight. The red film is repositionable/liftable for more accurate reading of the dose from 0-1,000 rad. It has a sensor with 2, 5, 10 and 25 rad reference bars above it and 50, 100, 200, 400 and 1,000 rad reference bars below it for triaging information in emergencies. The revolutionary **FIT™** indicator (on the right hand side of the sensor) simultaneously monitors false positives & negatives, overexposure to heat & UV/ sunlight, service-life and covers a portion of the sensor to monitor UV exposure. RADTriage is an affordable radiation dosimeter that is always active and ready to use, enabling disaster and emergency response personnel to measure their radiation exposure while dealing with the aftermath of a "dirty bomb" attack, nuclear explosion or an accident at a nuclear power plant. Batteries, calibration, and maintenance are unnecessary.

For use by:

- First responders (i.e., Fire, Police, and Medical Personnel)
- Military (Army, Navy, Air Force, Marines, Coast Guard, and National Guard)
- Those who live near nuclear power plants
- General public who live in cities at high risk of terrorist attacks and/or those worried about radiation exposure

For more information, visit www.jplabs.com or contact: JP Laboratories, Inc

120 Wood Avenue, Middlesex, NJ 08846

Phone: (732) 469 6670, Email: sirad@jplabs.com

Important Facts about **RADTriage-FIT™** & **SIRAD®** Technology

- Recipient of the 2004 Frost & Sullivan “Excellence in Technology” Award and the 2005 “R&D 100” Award as one of the 100 Most Technologically Significant New Products of the Year
- Widespread press coverage in the Wall Street Journal (front page), Chicago Sun-Times, Associated Press (worldwide), and ABC (headline) & BBC World News
- Developed with funding from Technical Support Working Group (with additional support from the DHS, DoS, DoJ and DoD). Field tested by the DHS (Report # DHS/S&T/SED/CMTB-2007-D03). Approved for funding through the DHS Grant Program for all 50 states
- The first generation of SIRAD was field tested with 800 first responders in the states of NJ, NY and IL for 9 months. It has been in the field for 5 years with no complaints.

Properties of **RADTriage-FIT™**

- **Two sensors** (for triaging radiation exposure and monitoring false positives/negatives):
 - **Casualty Sensor:** Develops a blue color to provide an early warning (2-25 rad) to users and guides physicians (50-1,000 rad) in determining medical treatment
 - **FIT™** (**F**alse positive/negative, **I**nactivation and **T**amper) **I**ndicator: Multi-purpose indicator (1) central blue dot indicates the dosimeter is active and changing from blue to red detects false negatives/inactivation of the sensor due to exposure to temperatures higher than 195°F/90°C (2) area surrounding central dot turning blue simultaneously monitors service-life expiration and/or if a false positive has occurred due to prolonged exposure to high temperatures and UV/sunlight
- **Dose Integration:** Cumulative, **Response retention:** Full
- **Response time:** Instant, 90-95% color development within minutes, the rest within hours
- **Uncertainty:** Visually: $\pm 20\%$, Colorimetry: $\pm 10\%$, **Effect of Dose rate:** Negligible
- **Dimensions:** Credit card size (Length 8.5 cm, Width 5.5 cm, Thickness 0.1 cm, Weight: 5g)
- **Energy dependency:** Independent of energy, some attenuation of low energy radiation
- **Effect of temperature of radiation:** Negligible (less than 0.1%/°F over -5°F to 140°F/60°C)
- **Effect of average humidity:** None
- **Laundry resistance:** Passes a few residential laundry cycles
- **Maximum operating temperature:** ~195°F/90°C for a maximum of six hours (Temperature on a car’s dashboard under direct sunlight can reach 185°F/85°C). FIT™ Indicator will monitor such exposure.
- **Effect of sunlight:** Little for a week under average sunlight with red protective cover in place. FIT™ Indicator will monitor over exposure to UV/sunlight
- **Effect of ambient light:** Negligible for a month with red protective cover in place
- **Support equipment:** None needed to estimate dose