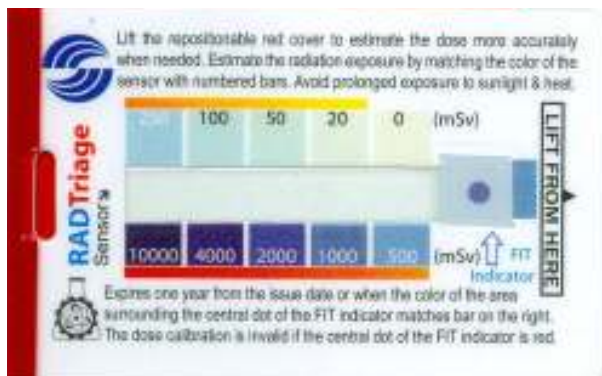


SACHIN FILTECH Pvt. Ltd.

INTRODUCE

RADTriage-FIT™

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



Name & Issue Date:
Dose & Return Date:

Read the instruction manual before using this dosimeter. Contact an emergency room if you are exposed to a dose higher than 500 mSv. 50 & 250 mSv are annual & life time, respectively, allowed dosages for occupational workers. Dose limits are lower for fetus & children. More info at: www.epa.gov/radiation/rert/. Contact: Kanti Patel, Sachin Filtech, Plot 77-4, Phase-I, GIDC Estate, Vatva 382 445 Ahmedabad, Gujarat; Ph.(079) 25832204, Fax(079) 25896384. Email: sirad@sachininternational.com, www.sachininternational.com. US Patent # 7,476,874 and other patents pending.



RADTriage™, a part of the **SIRAD®** (**S**elf-indicating **I**ntant **R**adiation **A**lert **D**osimeter) family of SMART dosimeters of JP Laboratories, gives you peace of mind that you are reliably monitoring your radiation exposure. RADTriage with a red filter provides significantly long life under sunlight. The red film is repositionable/liftable for more accurate reading of the dose from 0-10,000 mSv. It has a sensor, with 20, 50, 100 and 250 mSv reference bars on the top and 500, 1,000, 2,000, 4,000 and 10,000 mSv bars on the bottom of the sensor 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, shelf-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 monitoring harmful high dose (above 20mSv) of radiation 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

More information at: Mr. Kanti Patel, Sachin Filtech, Sachin House, Plot # 77-4, F-Road, Phase - 1,

G.I.D.C. Estate, Vatva, Ahmedabad-382 445, Gujarat, Phone : (079)-2583 2204/2205, 2589 7562/7563

Fax : (079)-2583 2205, 2589 6384, Email: sirad@filterpressindia.com, Web Site: www.sachininternational.com

Important Facts about **RADTriage™** and **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, Chicago Sun-Times, Associated Press, and ABC & BBC News

Properties of **RADTriage™**

- **Two sensors** (for triaging radiation exposure and monitoring false positives/negatives):
 - **Casualty Sensor:** Develops blue color and provides early warning (20-250 mSv) to users and guides physicians (500-10,000 mSv) 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 90°C (2) area surrounding central dot turning blue simultaneously monitors shelf-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%/°C over -20°C to 60°C)
- **Effect of average humidity:** None
- **Laundry resistance:** Passes a few residential laundry cycles
- **Maximum storage temperature:** ~90°C for a maximum of six hours (Temperature on a car’s dashboard under direct sunlight can reach 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

CONTROL IN YOUR HANDS: If used as per instructions, our dosimeters will not provide erroneous readings. If false positives or negatives occur due to abnormal use, the user (or issuing organization) can monitor them with the FIT™ Indicator. In emergencies, you cannot afford to wait to confirm your radiation exposure. RADTriage™ makes the time and expense associated with sending the badge for analysis completely unnecessary.