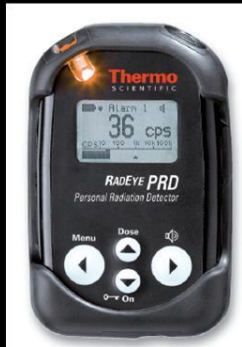


SIRAD®

(Self-indicating Intant Radiation Alert Dosimeters)

**THE ONLY TECHNOLOGY SPECIFICALLY
DEVELOPED TO MINIMIZE PANIC AND
WORRY IN AN EVENT OF A
RADIOLOGICAL INCIDENT**

EXAMPLES OF SOME COMMERCIALLY AVAILABLE DETECTORS, PAGERS AND DOSIMETERS



SIRAD

RADTrige 10 is an acute dose radiation monitor. The sensor is always active & will instantly develop color if exposed to gamma/X-ray. Match the sensor's color with the adjacent bars under fluorescent light to estimate the dose (mSv). Avoid prolonged exposure to heat and UV/sunlight.

Color	Dose (mSv)
Dark Blue	4,000
Blue	2,000
Light Blue	1,000
Green	500
Yellow	250
Orange	100
Red	50
Dark Red	20
Black	10
White	0

Expires ~1 year from issue date or when the color of the area surrounding the dots of the FIT indicator matches the bar to its right. The dose JP Labs calibration is invalid if the FIT indicator is red. Void if tampered in any way.



RADIATION EXPOSURES

- Cosmic background: 0.3 mSv/year
- Natural background: 2.5mSv/year
- Chest X-ray: 0.3mSv
- Gastric fluoroscopy: 4mSv
- CT (head and body): 5-50mSv
- Radiation therapy: 200-2,000 mSv Per fraction (total dose 2,000 – 10,000 mSv)



1 rad = 1 rem/0.01Sv
(for tissue equivalent materials)



ACUTE RADIATION EXPOSURE

50 mSv: US yearly allowed limit

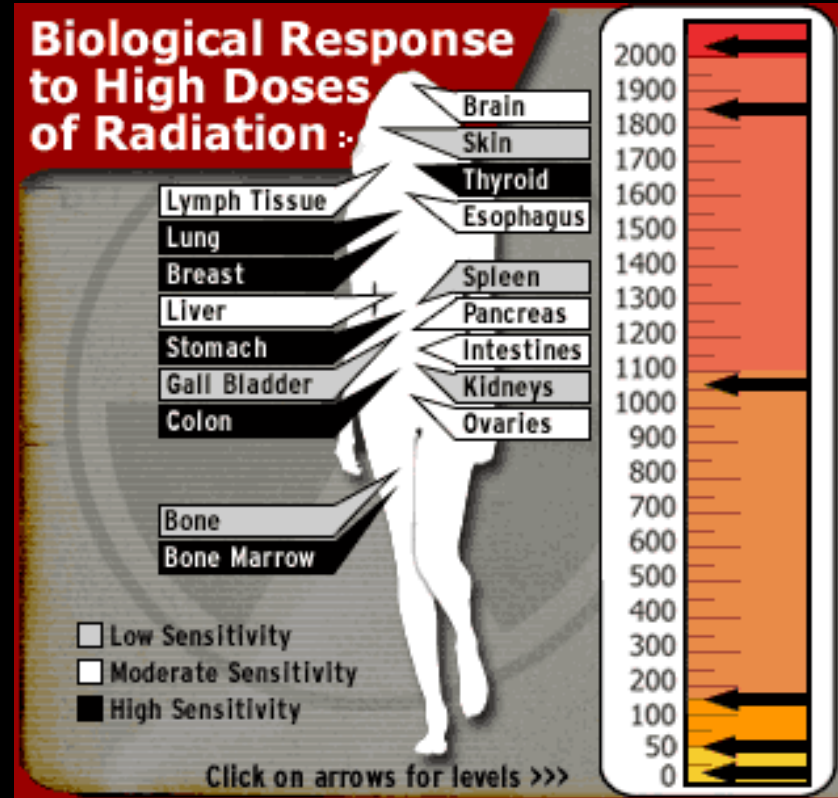
250 mSv: US life time allowed dose (No observable effect)

250-1,000 mSv: Slight blood changes

1,000-2,000 mSv: Significant reduction in blood platelets and white blood cells (temporary)

2,000-5,000 mSv: Severe blood damage, nausea, hair loss, hemorrhage, death in many cases

>6,000 mSv: Death in less than two months for over 80%



Dose limits are much lower for fetus and young children

IN AN EVENT OF A MAJOR RADIOLOGICAL INCIDENT

ONE NEED A DOSIMETER WHICH IS

- Instant, Self-indicating (color developing)
- User friendly, Inexpensive
- Light weight, Wearable
- Always ready without a power source
- Shelf life of at least one year
- Practically non-destructible
- Capable of monitoring 10-10,000 mSv
- SIRAD-TLD can monitor 0.01 mSv with TLD

SIRAD[®] FAMILY OF DOSIMETERS IS THE ANSWER

RADTriage10

(A credit card sized radiation dosimeter)

RADTriage10 is an acute dose radiation monitor. The sensor is always active & will instantly develop color if exposed to gamma/X-ray. Match the sensor's color with the adjacent bars under fluorescent light to estimate the dose (mSv). Avoid prolonged exposure to heat and UV/sunlight.

RADTriage10
Sensor



JP Labs

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RADTriage10

(back)

Name & Issue Date:

Dose & Return Date:

User agrees to read and follow instructions in manual (www.jplabs.com). It is recommended to learn about the effects of radiation dose, symptoms, treatment needed and whom to contact. Useful information is available at www.epa.gov/radiation/rert. Visit www.sirads.com for other helpful links. U.S. Patents 7,227,158; 7,476,874 and other issued and pending U.S. & international patents. A product of JP Laboratories Inc., 120 Wood Ave., Middlesex, NJ, 08846. Tel: 732 469 6670; Email: sirads@jplabs.com

Made in the U.S.A.



J P 1 0 5 1 8 0 1 1 0 1 0 0 0 0 1

Click below or copy and paste in
URL for a video of a RADTriage
being radiated

[https://www.youtube.com/watch?
v=t01PIhV6VVI](https://www.youtube.com/watch?v=t01PIhV6VVI)

EFFECT OF DOSE

RADTriage10 is an acute dose radiation monitor. The sensor is always active & will instantly develop color if exposed to gamma/X-ray. Match the sensor's color with the adjacent bars under fluorescent light to estimate the dose (mSv). Avoid prolonged exposure to heat and UV/sunlight.

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0 mSv

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50 mSv

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250 mSv

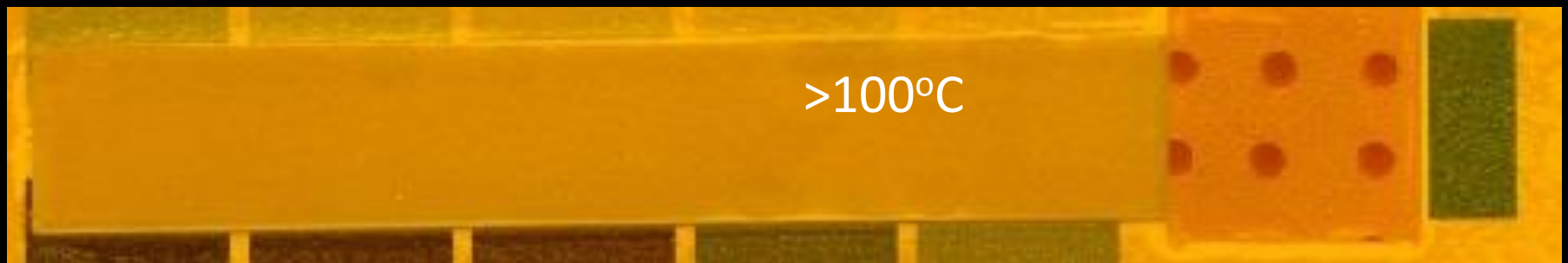
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500 mSv

FIT INDICATOR

Monitors false signals and expiration



FIT Indicator 

Click below or copy and paste in
URL for SIRADs on ABC, BBC and
Fox news

[https://www.youtube.com/watch?
v=0RCcHFHleDA](https://www.youtube.com/watch?v=0RCcHFHleDA)