

RADSticker™

The world's most inexpensive
casualty dosimeters

NEED FOR RADSticker™

- Except in case of a nuclear bomb detonation and a melt down at a nuclear power plant, it is less likely that a large number of the people will get exposed to a dose higher than 5 or 25 rads, the legally allowed yearly and life time allowed dosages, respectively for occupational workers
- It is difficult, time consuming, complex and expensive to determine the dose and its effect below 25 rads from human tissue samples (e.g., blood), provided the test is performed within days after the exposure

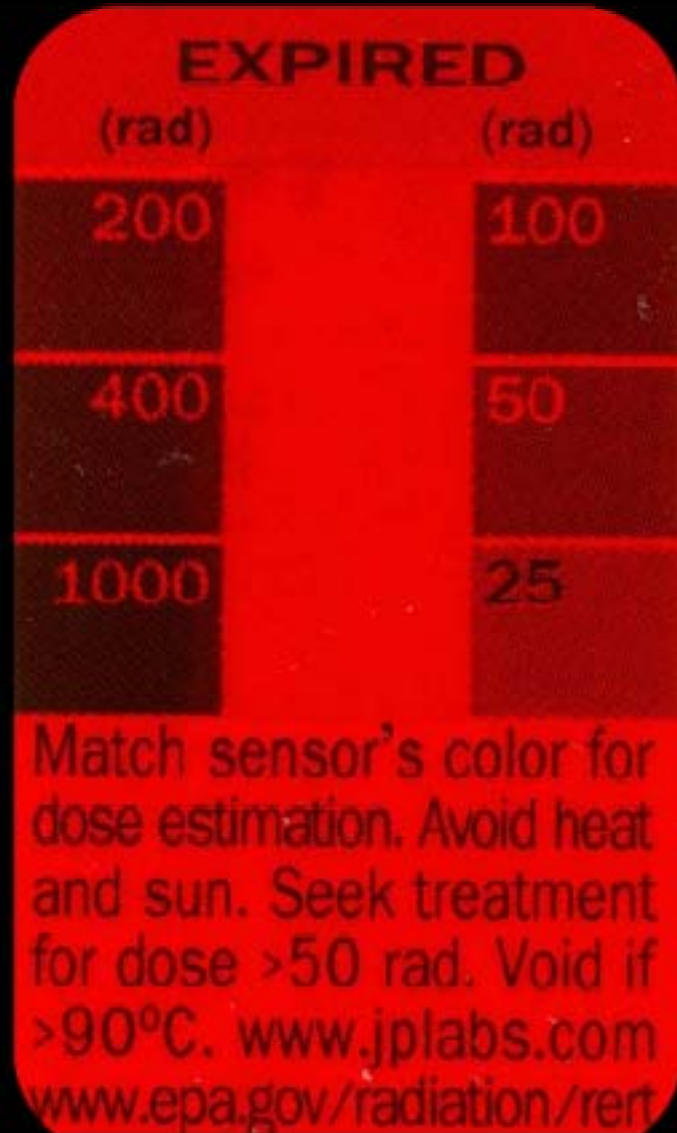
NEED FOR RADSticker™

- Even if one knows that a person is exposed to a dose lower than 25 rad, there is no real medical treatment available to cure or minimize its effect
- Most of us want to know the actual exposure to ionizing radiation but medically little can be done if the dose is below about 25 rad
- Hence, in order to minimize people running to hospitals and/or demanding tests and/or medical treatment in an event of a radiological incident, such as a dirty bomb, it is good to provide citizens with dosimeters, such as RADSticker (which would cost a dollar or less per year). RADSticker is a citizen's dosimeter to minimize panic and worry

NEED FOR RADSticker™

- It is often not practical to use/carry credit card sized SIRADs, e.g., RADTriages
- First responders and soldiers are loaded with too many things on them
- High level executives would prefer to carry a smaller dosimeter
- People using/handling radiation sources sometimes need to apply a dosimeter on their fingers (like a ring dosimeter)
- A small label type SIRAD (RADSticker) is more practical and has many uses

RADSticker THIN & WITH RED FILTER



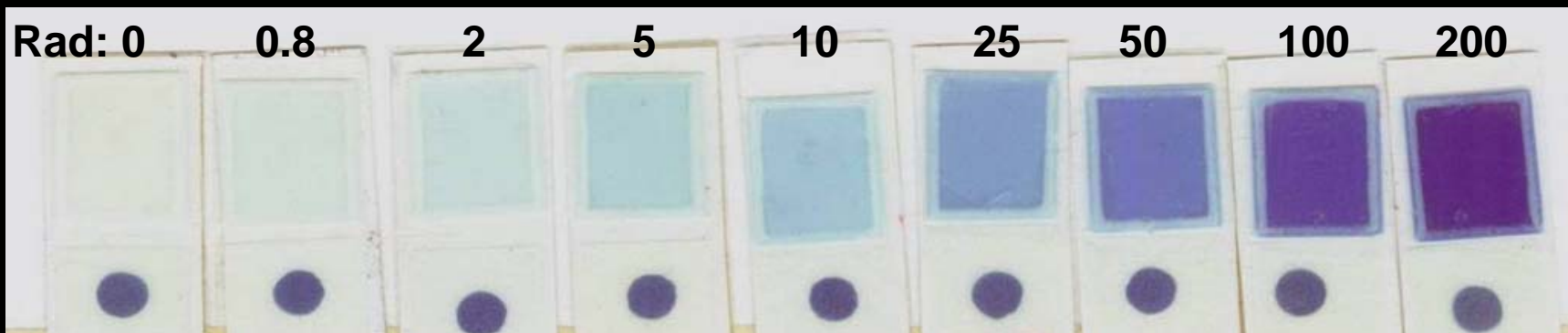
The back of the RADSticker has a layer of pressure sensitive adhesive to apply on an object. Service life of this RADSticker is about 5 years at room temperature and it costs only about a dollar per piece (i.e., a few pence per month) !!!!!.

HIGHER SENSITIVITY **RADStickers**

The higher sensitivity RADSticker (with LLD, lower limit of detection of 5 rads or below) shown on the following slides will be custom made in large quantities (minimum of 10,000 or 100,000 depending upon RADSticker) only

RADSticker™ (without reference bars but with a FIT indicator)

RADSticker has a pressure sensitive adhesive and a release liner on the back. To apply on an object, peel off the release liner and apply on the object



RADSticker - PERSONAL ID DOSIMETER

(Driver's license)

RADSticker



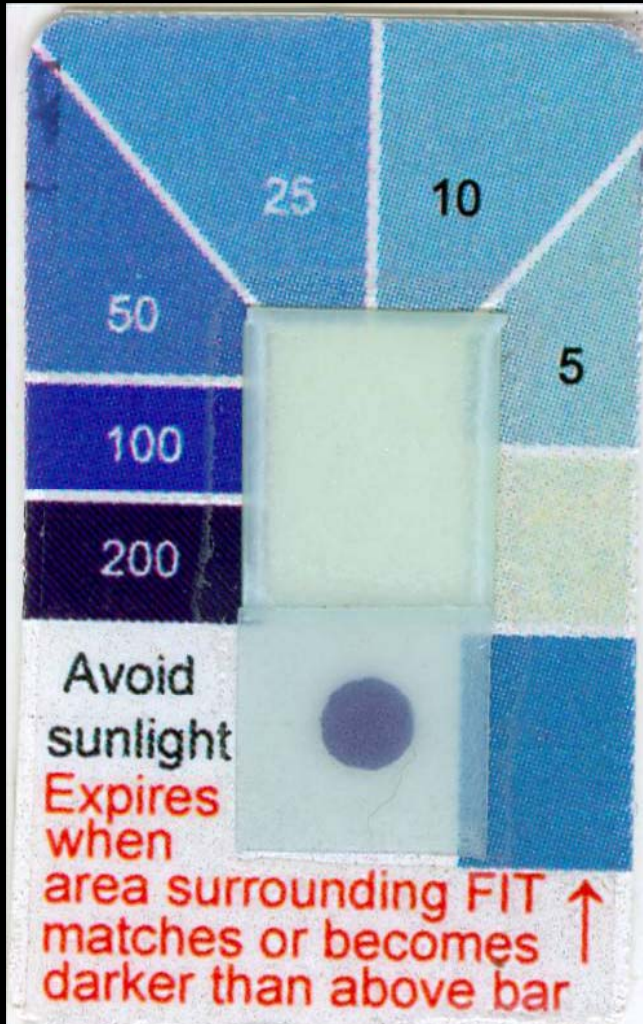
RADSticker - PERSONAL ID DOSIMETER

(Credit card)

RADSticker



RADSticker with reference bars



A TLD DOSIMETER WITH A RADSticker



Closed



Open unirradiated



Radiated with 5 rads

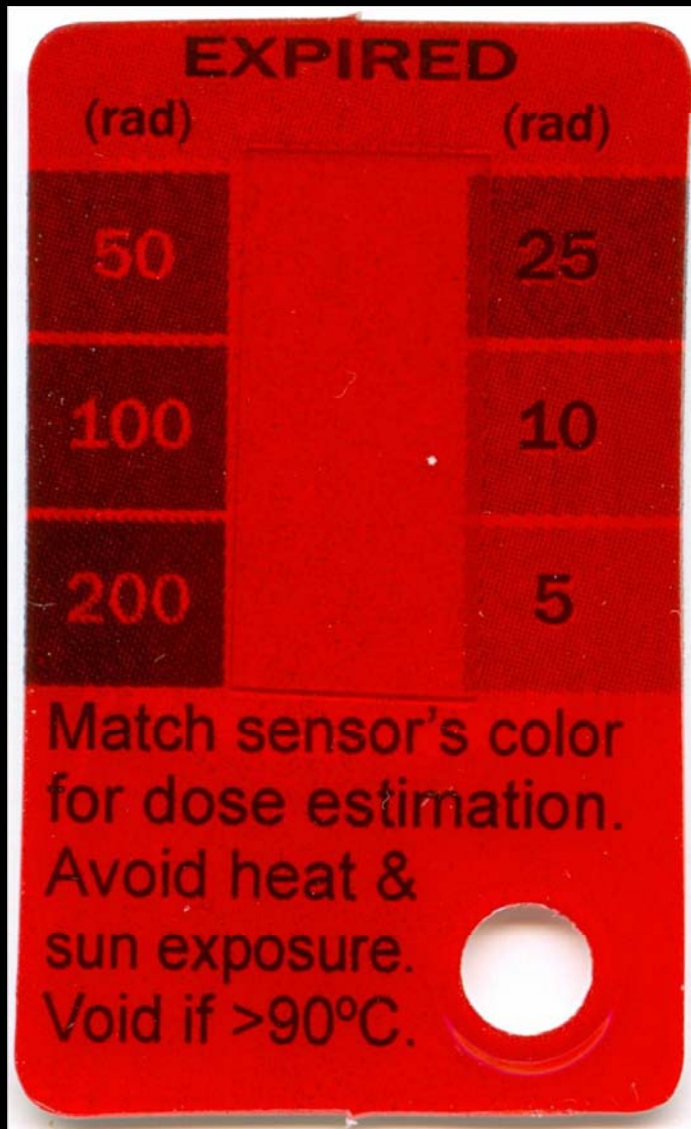


Radiated with 25 rads

RADKey WITH RED FILTER

(A smaller version of RADTriage)

RADKey has a hole to hang from an object (Must not be used as a key in a key chain because metal keys will block radiation and may get exposed to sunlight for a prolonged time)



Contact an emergency room if exposed to dose >50 rad. Info: www.epa.gov/radiation/rert & www.jplabs.com. Contact: sirad@jplabs.com
Name/Date:

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