



Technical and Sales Information
for Distribution Partners:

One blood bag
One label

Blood irradiation indicators

Blood irradiation indicators are
verification tools
for the blood product irradiation process!



Why is this important?

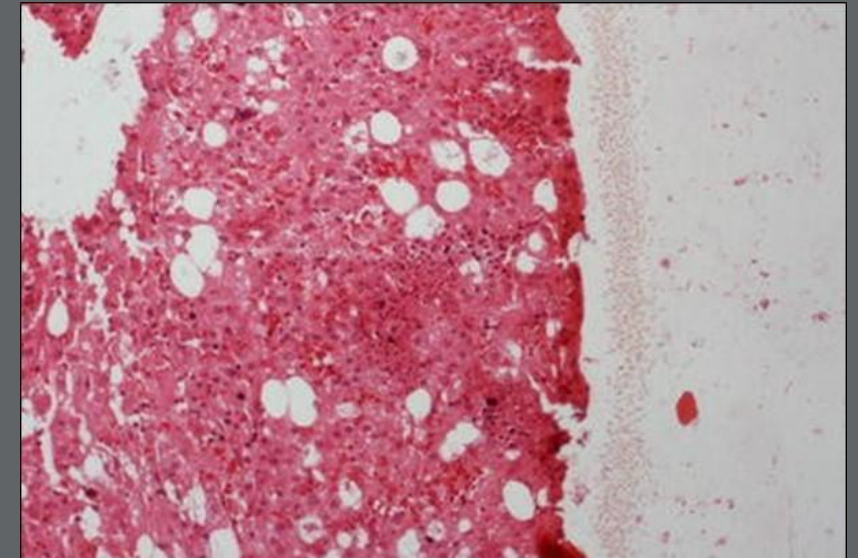


Irradiation prevents

a massive undesired immune response

TA-GvHD

Transfusion-associated
graft versus host disease:
mortality > 90%



The key question is..

Was this particular bag
inside the irradiation device?



How do you
know **for sure**?



Verify irradiation **on each**
individual blood product.

Do not assume, verify!

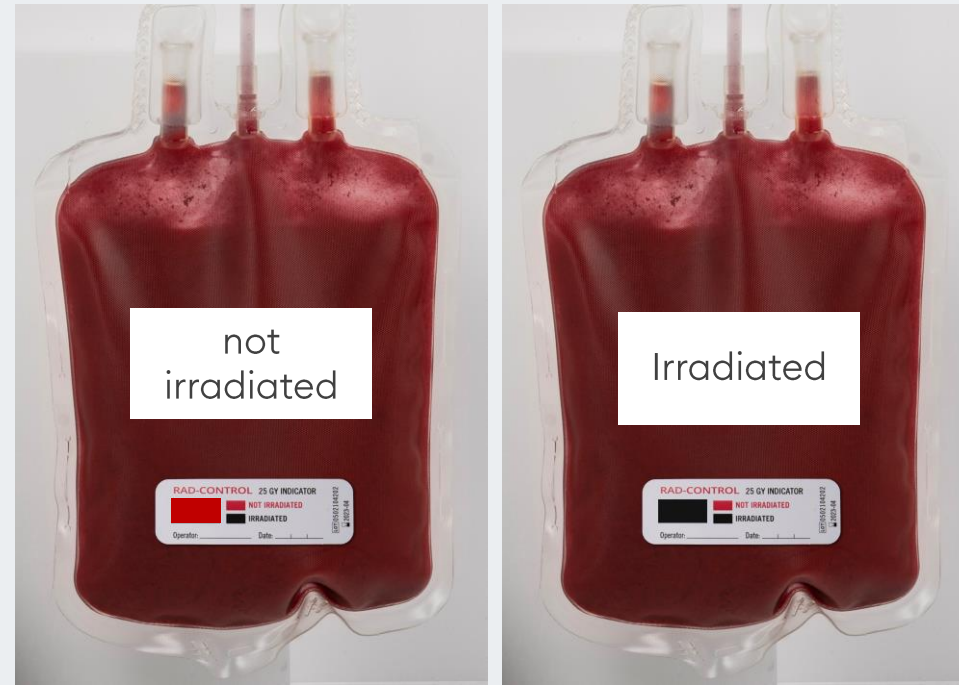
EDQM Guide

to the preparation, use and quality assurance of blood components (2020):

© Council of Europe, 2020, ISBN 978-92-871-8644-7, p 188, 4.4.1.2

„Radiation indicators **must be used as an aid to differentiating** irradiated from non-irradiated blood and blood components.“

One blood bag One label !

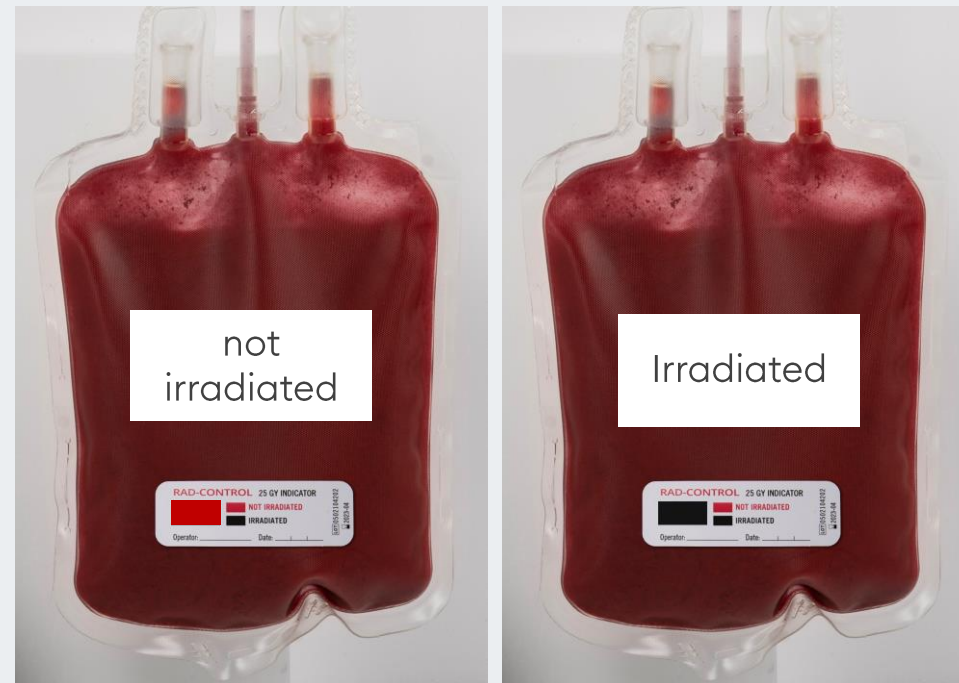


Do not assume, verify!

SHOT Report (Serious Hazards of Transfusion) report 2017

„At each step in the transfusion process, **do not assume** that no errors have been made in previous steps; **verify each step.**“

One blood bag One label !



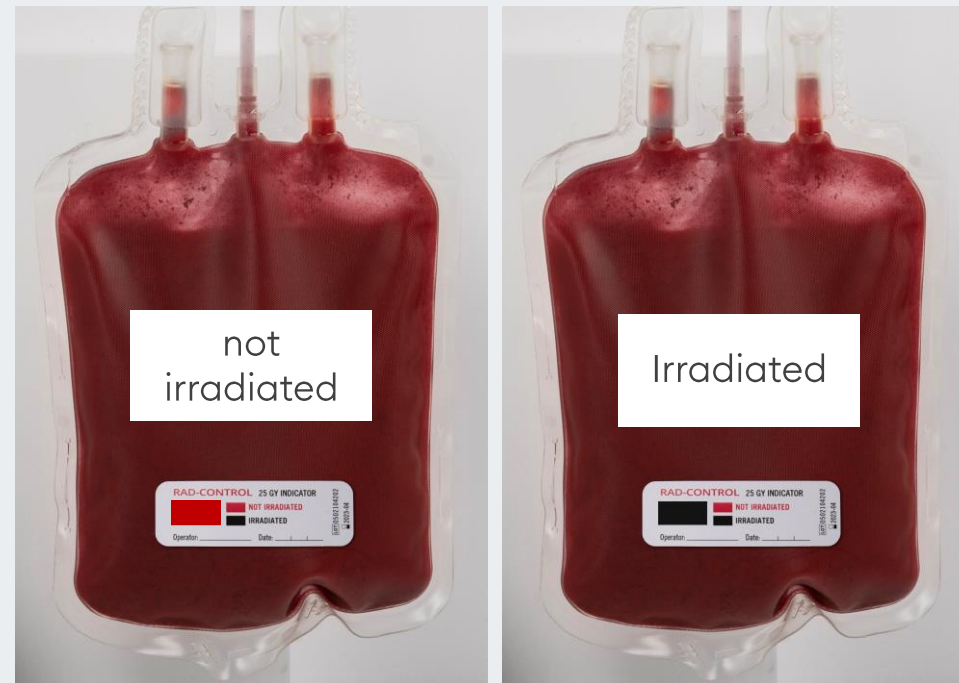
Do not assume, verify!

ISBT Introduction to blood transfusion

© 2020 Blackwell Publishing Ltd. ISBT Science Series (2020) 15, 207–231

„Radiation sensitive labels are commercially available and **if attached to a unit being irradiated** will indicate, by change of colour, that **the process has been successfully completed.**“

One blood bag
One label !



Do not assume, verify!

Observe:

Irradiation indicators are not to be used as a dosimeter or to check the proper functioning of the irradiation device.

In order to avoid the risk of any handling mistakes the correct usage is **one indicator per blood bag!**



Blood irradiation indicators – how they work

- Indicator is affixed on the blood product prior to irradiation
- Irradiation process of blood
- Indicator has changed in color after irradiation
- Proper change in color of the indicator serves as proof that irradiation has taken place. The blood product can now be passed on to its intended use.



01



RAD-CONTROL Barcode

After irradiation electronically readable irradiation result – worldwide unique!

02



RAD-CONTROL Standard

From Red to Black
Yes/No logic indicator – clear information

03



RAD-CONTROL Scale

Semi-quantitative visualisation of irradiation dosage

Summarizing...

one blood bag - one label

**Check the blood –
not the machine!**



Questions?

Simply contact us

www.onpointmedicals.at
office@onpoint.at