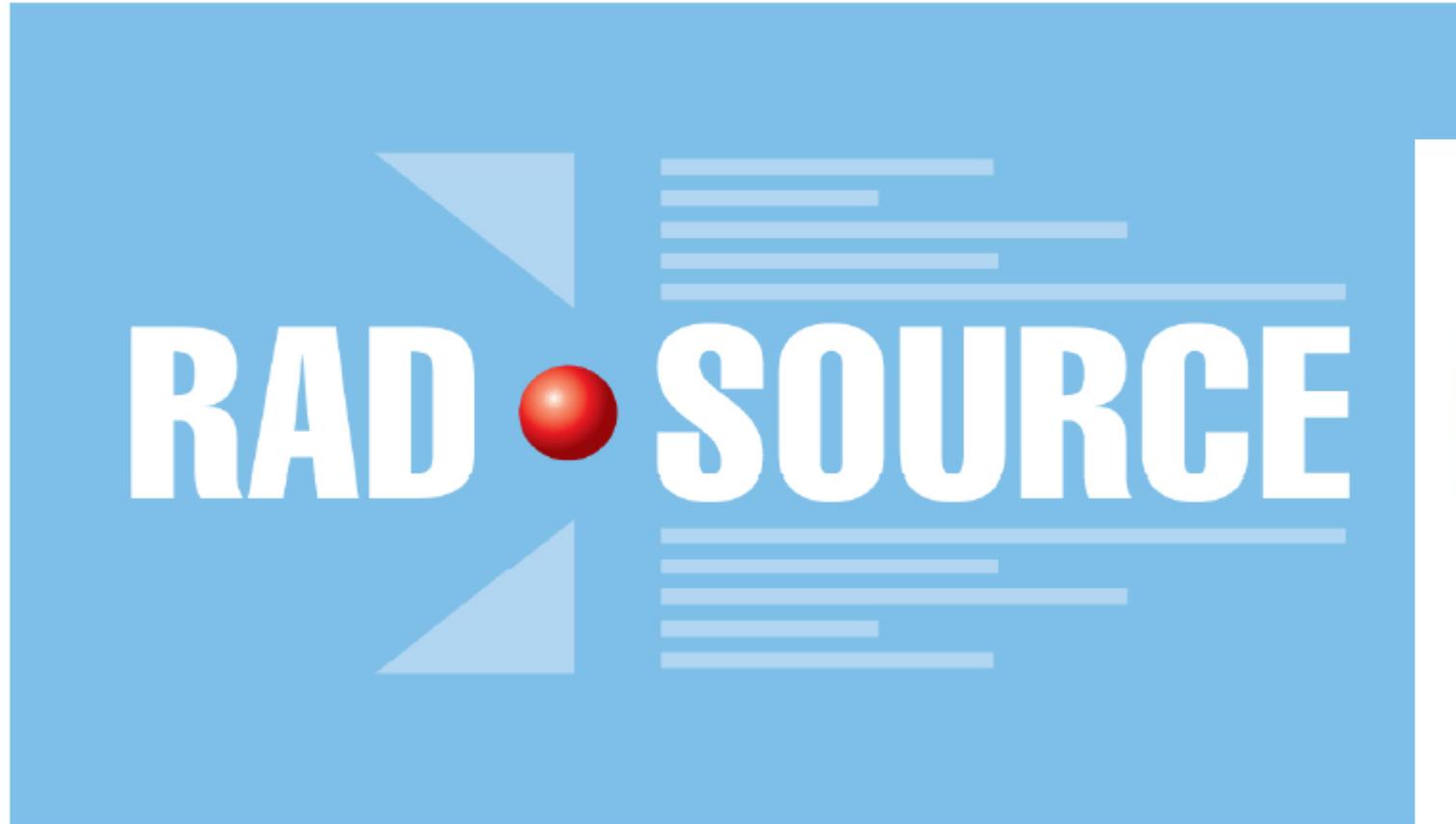
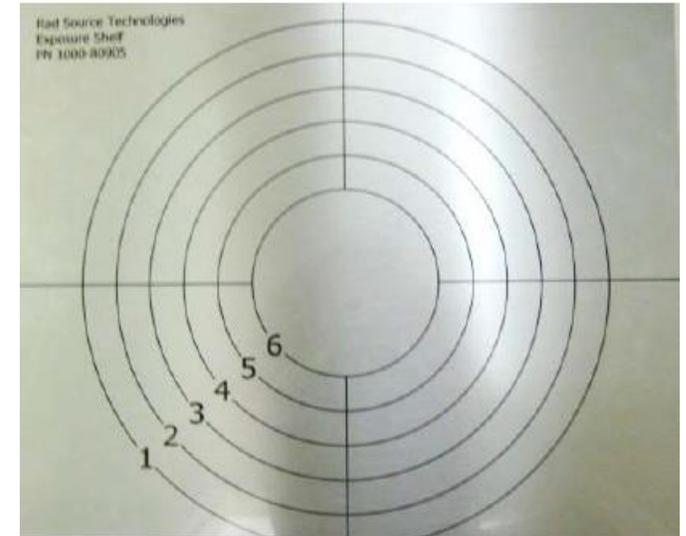


How to Guide



Switching on the instrument

1. TURN ON USING THE KEY SWITCH AND WAIT FOR INITIALIZATION.
2. IF WARM-UP REQUIRED, PRESS **WARM UP**, THEN **NORMAL**, THEN **START**.
3. PLACE THE SAMPLE TO BE IRRADIATED ON THE SHELF AND READ THE SIZE OF THE CORRESPONDING CIRCLE. TRY TO BE AS CLOSE TO THE CENTER AS POSSIBLE.
4. DETERMINE THE IRRADIATION TIME USING THE DOSE MAPS THAT CAN BE FOUND ATTACHED TO THE INSTRUMENT.
5. PLACE THE ALUMINUM SHELF AT THE DESIRED LEVEL.



N.B. THIS IRRADIATOR IS TO BE USED FOR CELLS' IRRADIATION ONLY!

General Rules for Good Irradiation

1. **THE SMALLER THE FOCAL TO SURFACE DISTANCE, THE FASTER YOU CAN ACHIEVE YOUR EXPOSURE. HOWEVER THE DOSE RATE TENDS TO BE INHOMOGENEOUS AT THE BORDERS OF THE IRRADIATION REGION (look up dose maps for an idea of dose rate variations from center to periphery)**
2. **PLACE YOUR SAMPLE AS CLOSE TO THE CENTER AS POSSIBLE.**
3. **DO NOT PILE UP YOUR SAMPLES : STAY AS CLOSE TO THE SHELF SURFACE AS POSSIBLE.**
4. **ALWAYS SET : Voltage = 160 kV
Current = 25 mA**

Enter Parameters and Run the Irradiation

1. ON THE MAIN MENU SELECT **PROGRAM SETUP**.
2. ENTER THE DESIRED PARAMETERS.
3. PRESS **START**.

FOR IRRADIATION TO START, THE DOOR HAS TO BE CLOSED.

IF YOU HAVE ANY ERROR MESSAGE ON THE SCREEN, PLEASE TAKE A PHOTO AND SEND IT TO IVIF STAFF.

giulia.di-domenicantonio@chuv.ch

alexandre.benechet@chuv.ch

If you are the last user of the day / Switching off the instrument

1. THE IRRADIATOR NEEDS TO COOL DOWN BEFORE SWITCHIN OFF:

WAIT AT LEAST 5 MINUTES BEFORE SHUT DOWN

2. TURN THE MAIN SWITCH TO OFF POSITION : THE SYSTEM WILL WAIT 3 MINUTES BEFORE COMPLETE SHUT DOWN TO GUARANTEE SATISFACTORY COOLING.
3. FILL IN THE CHECKLIST WITH RELEVANT INFORMATIONS.
4. CLEAN ALL MATERIAL YOU HAVE USED.