**Example: Calculating Irradiation Time If Dose is NOT listed on Dose Chart**

Suppose you wish to give a specimen a dose of 34 Gy on Level 3. Looking at the Dose Chart, the dose rate at Level 3 is 1.8 Gy/minute. Dividing dose by the dose rate (34 ÷ 1.8) gives a total irradiation time of 18.89 minutes.

Because the RS-2000 requires minutes, seconds input, the 0.89 must be converted to seconds by multiplying by 60 which converts to 53 seconds.

Therefore, 34 Gy (3400 Rads) on Level 3 corresponds to an irradiation time of 18 minutes 53 seconds.

**Do not run the X-ray for longer than an hour at a time, if you do so the machine could over heat and shut off thus compromising your run.**

**if you are doing a 1+ hour run then run the first hour, stop the X-ray, leave unit on and let sit for 15 minutes and resume run for remaining time.**

Problems/Questions: contact Deb at benso010@umn.edu or 612-626-2476