

## UC Davis $\gamma$ ray source

### Contact:

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or

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Before experiment contact either Don or Shane at least 24 hr before to sign up.  
They run the machine for us.  
Use is \$ 50 per hr.  
After 10 am is good, pm times are best.  
There is a lab bench available for post-irradiation workups like plating. There is no gas hookup.

### Source:

840 R/min equivalent to 8 Gy/min  
 $^{137}\text{Cs}$  source  
exposure chamber revolves at 6 rpm  
exposure chamber is about 8 x 10 x 12 inches

### Procedure:

- Suspend cells appropriately in water with a final volume of 500  $\mu\text{l}$  in eppendorf tube.
- Place eppendorf tubes in ice.
- Irradiate with the appropriate dose at center of plate to ensure even dose.
- Dilute in water and plate.