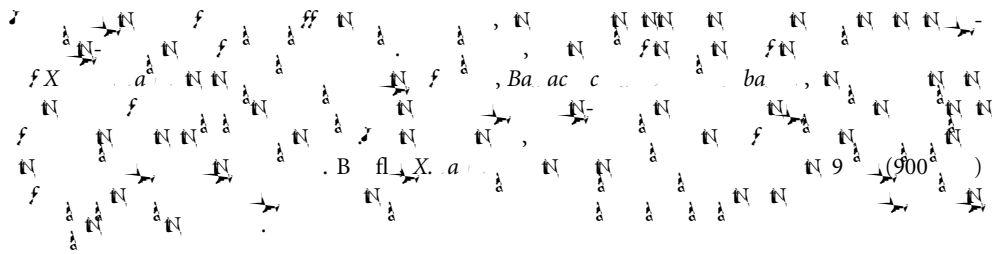


# Lymphocyte Deficiency Induced by Sublethal Irradiation in *Xenopus*

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## MATERIALS

It is essential that you consult the appropriate Material Safety Data Sheets and your institution's Environmental Health and Safety Office for proper handling of equipment and hazardous materials used in this protocol.

### Reagents

D... (10,000 / ml)  
 X... (10,000 / ml)  
 X... (4-5 ...)

### Equipment

C... (12 ... 8.5 ... 5 ...)  
 X... (4-5 ...)  
 X... (500- ...)  
 X... (C-137 ... C-60 ...)

For studies at Vanderbilt, the X-ray source was a 300 kVp/10 mA tube manufactured by Pantak (East Haven, Connecticut, USA). The half value layer was 0.73 mm Cu. In Rochester, we are now using a Gammacell 40 Exactor Low Dose device that uses Cesium-137 sources and is designed for low dose irradiations of small animals such as mice.

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