

# Medical Physics Center Shielding Request Questionnaire

(please fill out and return to us for any and all requests, thank you)

Name of Facility: \_\_\_\_\_ Room#: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Address: \_\_\_\_\_

Contact person(s): \_\_\_\_\_ Email: \_\_\_\_\_ ph#: \_\_\_\_\_

Contact person(s): \_\_\_\_\_ Email: \_\_\_\_\_ ph#: \_\_\_\_\_

Type of Shielding requested;  
Nuclear Medicine

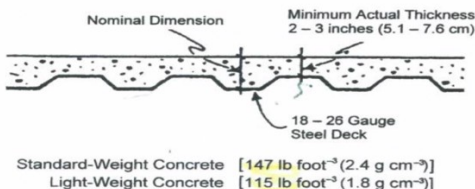
General Purpose Single Camera \_\_\_\_\_  
Cardiac Camera \_\_\_\_\_

Spect Camera \_\_\_\_\_  
Spect /CT: \_\_\_\_\_

Equipment manufacturer: \_\_\_\_\_ Name of NM Camera: \_\_\_\_\_

## PHYSICAL LOCATION:

1. Is this room in a single story building? \_\_\_\_\_
2. If not, what floor is the room on? \_\_\_\_\_
3. Are there rooms above and/or below this room? What are they used for (need this for the occupancy factors)? Need 1/4" Drawings of the Floor below and above (with rooms identified are above or below) \_\_\_\_\_  
\_\_\_\_\_
4. What is the floor to floor distance above/below this room? \_\_\_\_\_
5. What is the construction of the floor/ceiling? Concrete? What is the minimum and maximum concrete thickness? Concrete poured in a steel floor pan? (floorplans are usually a "corrugated design" that will match the concrete in which there is a 2-3" difference between the minimum and maximum height of the steel pan; e.g. 3.5" - 6" concrete poured in an 18 ga. 3.5" steel floor pan means that the steel pan corrugation is 3.5" deep--so the concrete is 3.5" thick poured to the top of the steel pan with a 2.5" additional layer on top of that to give a max thickness of  $3.5" + 2.5" = 6"$ .) \_\_\_\_\_



6. Do you have a 1/4" scaled plan (PDF - NOT CAD) for this room? Do you have an overall plan so we can see what rooms are around this x-ray room? \_\_\_\_\_
7. All Rooms should have a number and use, e.g. Room 105 – Office. This enables an accurate description of each Barrier. An indication of N direction. \_\_\_\_\_

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**PATIENT LOAD:**

1. How many patient studies do you plan to do per week? \_\_\_\_\_ (Very important--used for all shielding Calcs)
2. Normally for general Nuclear Medicine studies the main Radioisotope is Tc 99m. \_\_\_\_\_ Avg mCi/pt.  
Other /Radiation Sources \_\_\_\_\_ Strength of Source per Study: \_\_\_\_\_ mCis
3. For SPECT Camera: Time of study \_\_\_\_\_? Strength of Source per Study: \_\_\_\_\_ mCis  
Is the patient held for uptake time: \_\_\_\_\_ time and where is patient held? \_\_\_\_\_
4. For SPECT/CT Cameras: Time of Study \_\_\_\_\_. Holding Room/s \_\_\_\_\_ Time \_\_\_\_\_  
Restroom for Patient \_\_\_\_\_  
Type of Studies: \_\_\_\_\_  
Type of Radioisotope: \_\_\_\_\_ # of mCi \_\_\_\_\_ per study. If more than one type please  
List: \_\_\_\_\_