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| **Radiation Generator Usage Plan(HIMAC) 25-1**  Submission Date ( )  Dear radiation safety section chief in QST Chiba office,  I would like to use the radiation generator in HIMAC as follows, please approve.  Affiliation of the project representative  Name of the project representative  Affiliation of the project staff in QST　　　　　　　　　　　　　　（extension　　　　　　）  Name of the project staff in QST  **1.Purpose of using the radiation generator in HIMAC**   |  | | --- | | Title of the project | | □Continuation Project / □New Project | | Objective of the project | | Experimental procedures |  |  |  |  |  | | --- | --- | --- | --- | | Name of the room used for the experiment\* | | Information on irradiated object  (or irradiated animal) | Nuclides produced by activation  and expected radioactivity | |  | Medium energy beam irradiation room |  | Nuclide1：　　　　　Radioactivity ：　　　　　　　Bq | |  | Physical and  general-purpose irradiation room | Nuclide2：　　　　　Radioactivity ：　　　　　　　Bq | |  | Biological irradiation room | Nuclide3：　　　　　Radioactivity ：　　　　　　　Bq | |  | Secondary beam  irradiation room | Nuclide4：　　　　　Radioactivity ：　　　　　　　Bq |   \* Place a check mark in the room where you will be using the room. | | | |  |
| Please describe the area enclosed in the bold frame. | | | |
| Date of receipt | /　　/ | Number of receipt | No. － |

（Form-1.5c）　　 　Project No.(　　　　　　　　)

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| **2.Information on the irradiated object (or irradiated animal)**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Whether there is a carry-in or not | In case of Yes | | | | | □Yes / □No | Name of the storage room and storage period | | Name of the disposal room | | |  | |  | | |  | | | | | | Whether or not irradiated objects are taken out of the radiation-controlled area in HIMAC | In case of Yes | | | | | Name of irradiated object  (or irradiate animal) | Where to transport the irradiated objects | | How to transport the irradiated objects | | □Yes / □No |  |  | |  |   **3.Information on radioactive waste**   |  |  | | --- | --- | | Whether radioactive waste is generated or not | In case of Yes, check the radioactive waste details | | □Yes / □No | □burnable　/□ Flame retardant　/□unburnable　/□animal  □others（　　　　　　　　　　　　　　　　　　　　　　） | |  |
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| **4.Irradiation beam conditions**  【Irradiating ions and energy】(Place a check mark in irradiating ions and energy.)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Irradiating ion energy(MeV/u) | | | | | | Irradiating ion | Medium energy beam irradiation room | Physical and  general-purpose irradiation room | Biological irradiation room | Secondary beam  irradiation room | | □He | □6 | □100 / □180 / □230 | □150 | □100 / □180 / □230 | | □C | □6 | □100 / □180 / □230 / □290 □350 / □400 / □430 | □135 / □290  □350 / □400 | □100 / □180 / □230 / □290  □350 / □400 / □430 | | □N | □6 | □100 / □180 / □230 / □290 □350 / □400 / □430 |  | □100 / □180 / □230 / □290  □350 / □400 / □430 | | □O | □6 | □100 / □180 / □230 / □290 □350 / □400 / □430 |  | □100 / □180 / □230 / □290  □350 / □400 / □430 | | □Ne | □6 | □100 / □180 / □230 / □290 □350 / □400 / □430 / □600 | □230 / □400 | □100 / □180 / □230 / □290  □350 / □400 / □430 / □600 | | □Si | □6 | □100 / □180 / □230 / □290  □350 / □400 / □430 □600  □800 | □490 | □100 / □180 / □230 / □290  □350 / □400 / □430 / □600  □800 | | □Ar | □6 | □290 / □400 / □650 | □500 | □290 / □400 / □650 | | □Fe | □6 | □500 | □500 | □500 | |  |  |  |  |  |   【Number of irradiating ionic particles】(Place a check mark in number of irradiating ionic particles.)   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Number of irradiating ionic particles (pps)\* | | | | | | Irradiating ion | Medium energy beam irradiation room | Physical and  general-purpose irradiation room | Biological irradiation room | Secondary beam  irradiation room | | □He | □2.0×1012 | □1.2×1010 | □1.2×1010 | □4.0×107 | | □C | □1.0×1011 | □1.8×109 | □2.0×109 | □6.0×106 | | □N | □1.0×1011 | □1.5×109 | □1.7×109 | □5.0×106 | | □O | □1.0×1011 | □1.1×109 | □1.2×109 | □3.7×106 | | □Ne | □1.0×1011 | □7.8×108 | □8.5×108 | □2.6×106 | | □Si | □1.0×1011 | □4.0×108 | □4.4×108 | □1.3×106 | | □Ar | □1.0×1011 | □2.4×108 | □2.7×108 | □8.0×105 | | □Fe | □1.0×1011 | □2.5×108 | □2.5×108 | □8.3×105 | |  |  |  |  |  |   \*Number of irradiating ionic particles (pps) in the table is the maximum number of particles approved for use;  the actual number of irradiating ionic particles available is less. |
| **Information on experimental participants**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | (\*1) | (\*2,3) | Name | E-Mail address  (\*4) | Affiliation | Status within QST. (\*5) | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |   （\*1）Among those who will actually participate in the project, please decide who will be responsible for representing the work group and place a check mark. This person may be different from the person who will be responsible for the project representative. If there will be a different person responsible for each machine time, please check all responsible persons.  （\*2）Please circle those who have completed registration as a “Radiation Worker” in QST Chiba office.  （\*3）Please △ if you plan to register as a “Radiation Worker” in QST Chiba office.  （\*4）Please fill in your e-mail address if you have one.  （\*5）In QST Chiba office, please select the applicable category from the following and fill in the appropriate alphabet. Please check with the project staff in QST to determine which category applies to you.   |  |  |  | | --- | --- | --- | | A: Retirees and fixed term  employees in QST | F: Visiting Collaborative  Researcher | K：others（　　　　　　　　） | | B: Collaborative Researcher | G: Postdoctoral Fellow |  | | C: Visiting Researcher | H: Invited Researcher |  | | D: Cooperative Program  Graduate Student | I: JSPS Research Fellow | | E: Trainee | J: Junior Researcher Associate |   **※If you are not registered as a “Radiation Worker” in QST Chiba office by the day of the experiment, you will not be able to participate in the experiment even if your name is on the list of participants for this experiment.** |