## Application for Bringing in Sealed Radiation Sources

fo.	Proposal No.		Project Le	eader			
Proposal Info.	Experiment Title		Affili	ation			
sodo			Telep	hone			
Pro	Beamline No.		e-	mail			
	Japan Synchrotron Radiatio	on Research	(	Month/	Day/	Year)	
	Institute						
	To Director of Safety Office, Radiation Safety Supervisor /(print and signature)						

(Note 1)

Contact (e-mail, etc.)

I hereby apply for approval to bring in sealed radiation sources as described below. I will follow the conditions and precautions for bringing in radiation sources provided on the back of this form.

Nuclide		Radiation type	$\Box \alpha$ , $\Box \beta$ , $\Box \gamma$ , $\Box x$ , $\Box n$		
Activity	(Do not exceed the international exemption level.) Bq (Official approval date: Month/ Day/ Year)				
Sealing method					
Radiation source form (Note 2) (Check the box that applies.)	<ul> <li>□ Vapor deposited or electro</li> <li>□ Encapsulated</li> <li>□ Other (</li> </ul>	deposited )			
Chemical form					
Physical form	□ Solid				
(Check the box that	□ Powder				
applies.)	🗆 Liquid				

Form 21

Form 21

	□ Gas(		)	
Radiation source number (Note 3)				
Institute that will	Address			
transfer radiation	Name of institute			
source				
Gauta	Affiliation			
Carrier	Name	(User Card No.)		
Period of use	From		to	
Remarks				

I approve the above application. Refer to (Note 1) to (Note 3) on the back of this form.

(Month/Day/Year)

Japan Synchrotron Radiation Research Institute

Director of Safety Office / Seal

**RIKEN Harima Branch** 

Director of Safety Office / Seal

- 1. Conditions for bringing in sealed radiation sources
- The radiation sources should not be at risk of being opened or destroyed under conditions of normal use.
- · There should be no risk of contamination due to leakage, penetration, etc.
- · Radiation sources prepared and sealed by yourself are not allowed in principle.
- · Attach copies of records of radiation sources.
- Attach the measured results of the surface contamination density of radioactive substances (e.g., obtained by smear method).
- The Safety Office manages radiation sources. When you finish using radiation sources at SPring-8/SACLA, notify the front desk of the radiation control office and take them back to your research institute. If you do not take them away after the planned period of use, we will contact the Radiation Safety Supervisor or the administrator of radiation sources at your institute.
- 2. Precautions when filling in this form
- Note1: If there is no Radiation Safety Supervisor at your research institute, the administrator of radiation sources at your research institute can fill in this form instead.
- Note 2: Provide the shape and size of radiation sources.

Example) Shape: Coin type 20 mm $\phi \times 5$  mm t in size

- Note 3: If you bring in radiation sources you purchased, provide the radiation source number (radiation source serial number) stated in the records.
- 3. Precautions when using radiation sources

At SPring-8/SACLA, to prevent the breakage and loss of radiation sources, in principle, keep the radiation source in a tagged container during its use. When it is difficult to use a radiation source under such a condition owing to the nature of experiments, contact the front desk of the radiation control office in advance.