

**CENTER FOR RADIOISOTOPE FACILITIES**



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The technical and supporting staff of the Center for Radioisotope Facilities (CRF) maintain three controlled areas according to Japanese law. The CRF is responsible for monitoring the purchase of radioisotopes from JRIA (Japan Radioisotope Association) and the transfer of radioisotope wastes to JRIA.

Matsuda, Inuma, Ito, and Kamiya maintained CFBI (Common Facilities Building I)-branch and LGER (Laboratory of Gene Expression and Regulation)-branch in the Myodaiji-Area. Ogawa and Sawada worked in the Yamate-Area.

The number of registrants and the number of users from January 2008 to December 2008 are presented in Table 1.

Users counted by the monitoring system going in and out of the controlled areas numbered 4,151 persons during this period. The percentages and numbers for each area are shown in Figure 1 and Table 2. The annual changes of registrants and the number of totals per year are shown in Figure 2.

The balance of radioisotopes received at the CRF is shown in Table 3.

Thirty years have passed since the CFBI-branch opened and some parts of the floor and the waste water system have deteriorated. Figure 3 shows the repair work done on Room 9 of the CFBI-branch to accommodate the law.

	Myodaiji-Area	Yamate-Area
<b>registrants</b>	<b>145</b>	<b>103</b>
<b>users</b>	<b>66</b>	<b>35</b>

Table 1. Numbers of registrants and users at Myodaiji-Area and Yamate-Area in 2008

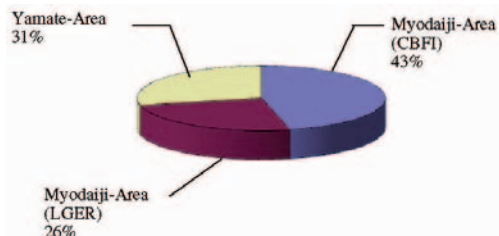


Figure 1. Percentage of users going in and out of each controlled area in 2008

	Myodaiji-Area	Yamate-Area	total
	CFBI-branch	LGER-branch	
<b>users</b>	<b>1603</b>	<b>964</b>	<b>1038</b>
<b>visitors</b>	<b>319</b>	<b>80</b>	<b>147</b>
<b>total</b>	<b>1922</b>	<b>1044</b>	<b>1185</b>

Table 2. Users and visitors who entered each controlled area in 2008

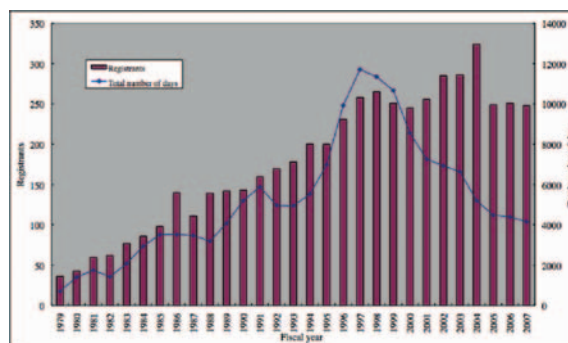


Figure 2. Annual changes of registrants and number of totals per fiscal year

	Myodaiji-Area	Yamate-Area	total
	CFBI-branch	LGER-branch	
<sup>125</sup> I Receive	167	0	370
<sup>125</sup> I Used	167	0	370
<sup>45</sup> Ca Receive	37000	0	37000
<sup>45</sup> Ca Used	3000	0	3000
<sup>25</sup> S Receive	94000	0	94000
<sup>25</sup> S Used	8400	0	8400
<sup>32</sup> P Receive	179500	555500	254250
<sup>32</sup> P Used	87000	414320	704800
<sup>14</sup> C Receive	12025	0	12025
<sup>14</sup> C Used	8604	0	8604
<sup>3</sup> H Receive	638250	0	8325056
<sup>3</sup> H Used	91150	0	7400056

Table 3. Balance of radioisotopes received and used (kBq) at each controlled area in 2008

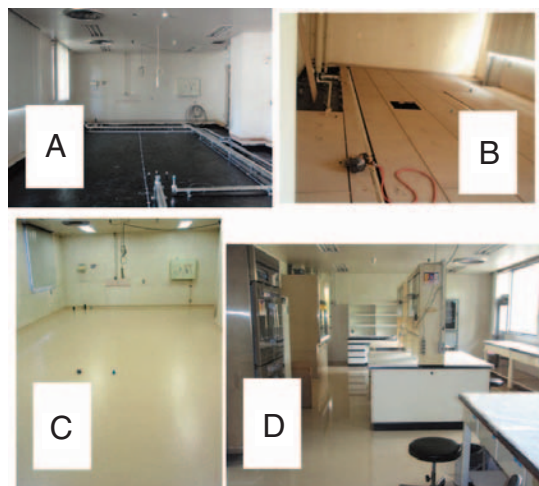


Figure 3. Repair work on room 9  
A: Floor painting (waterproofing)  
B: Floor construction  
C: Closing floor sheet  
D: Completion