

## Examination on the safe handling of recombinant DNA

Department (Graduate School or Faculty); Name of your professor/supervisor	Name	Position or Grade and Student ID Number for Doctor/ Master Course Students	Date

Following are the descriptions on the safe handling of living modified organisms (LMOs). Answer ○ if the description is correct, or × if the description is wrong.

		Answer
1	"Living modified organism (LMO)" means any living organism that possesses a novel combination of genetic material obtained through the use of modern biotechnology; any biological entity capable of transferring or replicating genetic material, including sterile (infertile) organisms, viruses and viroids.	
2	In the Cartagena Act, "Use" of LMO shall mean use for provision as food, animal feed or other purposes, cultivation and other growing, processing, storage, transportation and disposal, and other acts attendant with these.	
3	In the Cartagena Act, "Use" of LMO is divided into two categories; Type 1 Use and Type 2 Use. The Type 1 Use is the use of LMOs undertaken without measures to prevent dispersal of LMOs into the environment. While the Type 2 Use is the use being conducted under the containment measures.	
4	When an LMO in Type 2 Use is intended to be transferred or supplied or the Use thereof is entrusted, following should be mentioned; (1) That Type 2 Use of a living modified organism is being made; (2) The name of the recipient organism or the parental organism of the LMO and the name of nucleic acid, or a replicated product thereof; (3) The name and address of the Assigner by issuance of a document, indication on an LMO or the package or container thereof, FAX or E-mail.	
5	A person who violates Orders of Measures by the competent minister on the Use of LMOs shall be punished by imprisonment with work of not more than 1 year or a fine of not more than one million yen, or a combination of these two.	
6	Amplification of a specific gene fragment from a mouse tissue and direct sequencing of this gene does not belong to recombinant DNA experiments using LMO.	
7	It is allowed to perform P1 Level of recombinant DNA experiments in a common biological experimental room, without prior permission by the Safety Committee.	
8	During animal experiments, the number of mice may not be counted before and after each experiment.	
9	A sign designating the level of the containment measures for the prevention of LMO diffusion must be displayed on the door of the laboratory where the experiment using LMO is in progress.	
10	Researchers who are involved in LMO experiments should perform emergency measures when it may not be possible to prevent the diffusion of LMOs by accidents or disasters, and they must inform about the emergency situation immediately to the Biosafety Officer in the Department.	

1.	○
2.	○
3.	○
4.	○
5.	○
6.	○
7.	×
8.	×
9.	○
10.	○