*xx*

*has completed* ***basic practical training*** *in the field of*

***laboratory animal science***

*Spring/Autumn 20XX*

**Species covered:** *Mus musculus*

**EU Functions1 covered, practical:** A (carrying out procedures on animals)

**Training description:** The basic practical training consists of an introduction to basic techniques followed by hands-on training according to Directive 2010/63/EU and the related EC framework document1. The practical training covers the **practical** Core Modules and Function Specific Modules for function A described below. The competence of the students was assessed by their ability to accomplish defined assignments, enabling approved students to practice further under supervision of experienced personnel in their research group.

**EU MODULES1 INCLUDED IN THE TRAINING:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Core modules:** | | **Function specific modules:** | |
| 3.2 | Basic and appropriate biology – species specific | 6.2 | Humane methods of killing |
|  |  | 8 | Minimally invasive procedures without anesthesia – species specific |

**TECHNIQUES INCLUDED IN THE TRAINING**

|  |
| --- |
| Recognition of appearance and behavior of healthy animals, including gender and developmental stage |
| Lifting techniques |
| Manual restraint |
| Ear notching and tissue sampling |
| Subcutaneous (SC) injection |
| Intraperitoneal (IP) injection |
| Blood sampling, vena saphena, including hemostasis |
| Euthanasia: CO2 and cervical dislocation |

**OTHER TECHNIQUES, BASED ON NEEDS OF CANDIDATE (tick off and sign as appropriate)**

|  |  |  |
| --- | --- | --- |
|  | **Demonstrated** | **Practice until skills achieved** |
| **Mice** | **Mice** |
| Oral gavage |  |  |
| Intravenous (IV) injection, tail vein |  |  |
| Blood sampling by cardiac puncture |  |  |
| Post-mortem dissection and tissue harvesting |  |  |

**Assessment:** Skills sufficient to prepare and perform the techniques humanely and to satisfaction, with safe working practices for both animals and operators, qualifying the student for further practice under supervision of experienced personnel in their research group.

|  |  |  |  |
| --- | --- | --- | --- |
| **Grade:** | Passed | **Date: xx** | |
| **Instructor** |  |  |  |
| Name (capital letters) | Signature |

**Confirmation of instructor organization, training and competence:**

Instructors are employed by the laboratory animal facility stated below and have documented skills and competence in the listed procedures.

|  |  |  |  |
| --- | --- | --- | --- |
| **Facility:** | Comparative Medicine Core Facility, NTNU | | |
| **Facility manager:** |  |  |  |
| Name (capital letters) |  | Signature |