

3.1.5 Institution has the following facilities to support research

Report on Animal House



Central University of Himachal Pradesh

Dist. Kangra

Himachal Pradesh – 176215 India

Central University of Himachal Pradesh
Department of Animal Science
Animal house facility

Animal Name: *Mus musculus* (Swiss albino mice)

Animal weight: 30±5 grams

Age: 8-12 weeks (Adult mice)

Mice Feed: Gulmohar brand feed for rodents are provided every day with fresh drinking water.

Experimentation: All experiment will be conducted according to CPCSEA guidelines.

Disposal of waste: After proper experimentation animals will be introduced into Incineration (the high-temperature burning of a waste).

Outline on mice experiment

- This is standard first line experimental mammal used in preclinical trials and drug delivery experiment. It is commonly used in cancer research, diabetes research, toxicology research and other disease trial.
- Changes in mouse DNA mimic changes in human DNA and vice-versa. In addition, mice exhibit behaviors that can be used as models for exploring human behavior.
- At CUHP we are going to evaluate anticancer effect of few medicinal plants against breast cancer. Breast cancer will be induced in mice through DMBA. After induction of breast cancer it will be administered with different combinations of medicinal plant extract to know its anticancer potential on *In Vivo* experimentation.



Figure-1: Animal House entrance



Figure-2: Animal House working area



Unnamed Road, Dadroli, Himachal Pradesh
176206, India

Latitude 32.224264N Longitude 76.156378E

LOCAL 10:51:05 FRIDAY 10.07.2022
GMT 05:21:05 ALTITUDE 740 METER

Figure-3: Animals in cages in group



Unnamed Road, Dadroli, Himachal Pradesh
176206, India

Latitude 32.224264N Longitude 76.156457E

LOCAL 10:49:48 FRIDAY 10.07.2022
GMT 05:19:48 ALTITUDE 740 METER

Figure-4: Animals in cages in with mice feed

In charge of Animal House facility: Dr. Reshma Sinha, Assistant professor, Department of Animal Science, School of Life Science, Central University of Himachal Pradesh, Dharamshala, H.P.



**Institutional Ethics Committee (IEC)
Central University of Himachal Pradesh
Dharamshala, Kangra**



Ref. No: IAEC/CUHP/2022/I-1

Date: 23.08.2022

CERTIFICATE

This is certified that Research Project entitled “*In Vivo and In Vitro study on synergistic effect of medicinal plants in breast cancer of mice*” is presented by **Ms. Navya Rana**, and defended by P.I. **Dr. Ranjit Kumar**, Assistant Professor, Department of Animal Sciences, Central University of Himachal Pradesh, Dharamshala, in the Institutional Ethics Committee meeting held on 22nd August 2022 at 11.00.

The Institutional Ethics committee approved the project for conducting research work. **The Approval Number is: IAEC/CUHP/2022/I-1**, dated 22.08.2022.


Prof. Pardeep Kumar
Chairman
Institutional Ethics Committee, CUHP, Dharamshala