



Institutional Biosafety Committee (IBSC)
U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-
Anusandhan Sansthan, Mathura. UP. 281001
IBSC registration number: UTTA200820243439

Letter No 06/ IBSC-DUVASU/25-2026

Date: 15/7/2026

To,
All Concerned,

Enclosed is the list of proposals approved by the Institutional Biosafety Committee on April 2, 2026, along with the specific recommendations, approval conditions, or modification requests (if any) for your respective projects.

Proposal No	Title of the project/Protocol	PI (Name and Affiliation)	Proposed Intervention	Remark
IBSC/2026/01	AINP on One Health Approach to Zoonotic Disease (Brucellosis, Leptospirosis & Cysticercosis)	Dr. Udit Jain, Department of Veterinary Public Health	Collection and processing of clinical samples for the serological and molecular diagnosis of Brucellosis in bovine, Leptospirosis in bovines, canine and Cysticercosis in pigs. The intervention is strictly limited to diagnostic screening without the isolation or culturing of live zoonotic pathogens.	The committee noted that the proposed work is limited to serological and molecular diagnosis of high risk zoonotic pathogens. The investigator was advised to process all clinical samples under BSL-2 containment and strictly adhere to institutional biosafety and biosecurity guidelines. Recommendation : Approved
IBSC/2026/02	CCRH funded project on Management of otitis externa in	Dr. Vijay Pandey Department of Veterinary	Bacteriological and molecular identification of infectious/non-	The committee noted the bacteriological identification involves opportunistic pathogens.



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	dogs with homeopathic intervention as vs standard treatment	Biochemistry	infectious organism present in ears of dogs with otitis	Standard BSL-I/II laboratory practices are sufficient. Ensure proper sterilization of contaminated swabs/materials before disposal. Recommendation: Approved
IBSC/2026/03	Evaluation of therapeutic efficacy of <i>Allium sativum</i> and <i>Curcuma longa</i> extract in experimentally induced endometritis in rats	Dr. Raj Kumar Singh Yadav, Department of Veterinary Pharmacology	Culturing and handling of clinical isolates of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> (Risk Group 2 organisms) using standard microbiological techniques. These bacterial agents will be inoculated into female Wistar rats for the experimental induction of endometritis, followed by in-vivo therapeutic evaluation of <i>Allium sativum</i> and <i>Curcuma longa</i> extracts.	The proposed work shall be conducted in a laboratory with appropriate containment facilities following Biosafety level 2 (BSL-2) practices, as both <i>E. coli</i> and <i>S. aureus</i> are classified as Risk Group 2 organisms. Recommendation: Approved
IBSC/2026/04	Development and evaluation of whole cell antigen	Dr. Ajay Pratap Singh,	Isolation of <i>Corynebacterium</i>	The proposed work involving isolation of



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	based indirect ELISA for serodiagnosis of Caseous Lymphadenitis (CLA) in small ruminants (Research and Development (R&D) involving whole cell CLA antigen for Diagnostic purposes)	Department of Veterinary Microbiology	<i>pseudotuberculosis</i> , Preparation of whole cell antigen and evaluation of antigen for Indirect ELISA.	<i>Corynebacterium</i> <i>pseudotuberculosis</i> , preparation of whole- cell antigen, and evaluation of antigen in indirect ELISA may be done under BSL-2 containment facilities following institutional biosafety guidelines. Recommendation: Approved
IBSC/2026/05	Development of a multiplex PCR assay for the simultaneous detection and differentiation of major pyogenic bacterial pathogens in sheep and goats (Research and Development (R&D) involving Hazardous Microorganisms (HMOs) for Diagnostic purposes (Multiplex PCR Development).	Dr. Ajay Pratap Singh, Department of Veterinary Microbiology	Cultivation of <i>Corynebacterium</i> <i>pseudotuberculosis</i> , <i>Streptococcus</i> , <i>Pseudomonas spp.</i> Purification of DNA and development of multiplex PCR	The proposal is recommended for approval under BSL-2 containment. All culture handling, DNA extraction, and multiplex PCR procedures shall be conducted in appropriate biocontainment facility. Recommendation: Approved
IBSC/2026/06	Study on occurrence and molecular characterization of major viral agents associated with bovine respiratory disease complex in Mathura region	Dr. Ruchi Tiwari, Department of Veterinary Microbiology	Collection of bovine respiratory swabs (nasal, ocular, nasopharyngeal) for Bovine herpes virus-1 (BoHV-1) and Bovine respiratory syncytial virus	The committee recommended that all clinical specimen handling and nucleic acid extraction involving Bovine alphaherpesvirus 1(BoHV-1) and Bovine respiratory syncytial virus (BRSV) be



			(BRSV) detection. Extraction viral DNA/RNA and diagnosis via PCR/RT-PCR. Target gene sequencing for molecular confirmation and phylogenetic analysis.	conducted under BSL-2 containment using certified CLASS-II Biological safety cabinet, in accordance with institutional biosafety and biosecurity protocols. Recommendation: Approved
IBSC/2026/07	Study on evaluation of lytic <i>Salmonella</i> bacteriophages for antibiofilm activity and biocontrol of <i>Salmonella</i> in poultry meat.	Dr. Ruchi Tiwari, Department of Veterinary Microbiology	The study involves the revival and laboratory cultivation of <i>Salmonella</i> <i>enterica</i> serovar Typhimurium and its specific bacteriophage, followed by an evaluation of the phage's <i>in-vitro</i> antibiofilm activity and its efficacy as a biocontrol agent in chicken meat.	The proposed study involving evaluation of lytic <i>Salmonella</i> bacteriophages for antibiofilm activity and biocontrol of <i>Salmonella</i> in poultry meat is recommended under BSL-2 containment facility. Recommendation: Approved
IBSC/2026/08	Comparative evaluation of lytic bacteriophage therapy and conventional antimicrobials in management of metritis in buffalo	Dr. Chetna Gangwar Department of Veterinary Clinical Complex	Collection of vaginal discharge, isolation of <i>E. coli</i> , Identification and characterization, In-vitro phage susceptibility testing	The proposed study involving collection of vaginal discharge samples, isolation and characterization of <i>E.</i> <i>coli</i> , and <i>in vitro</i> phage susceptibility testing may be conducted under BSL-2 conditions



				following institutional biosafety guidelines. Recommendation: Approved
IBSC/2026/09	Therapeutic potential of lytic bacteriophage in comparison to conventional antimicrobial therapy as a novel approach for treatment of Pyometra in dogs	Dr. Chetna Gangwar Department of Veterinary Clinical Complex	Collection of vaginal discharge, isolation of E. coli, Identification and characterization, In-vitro phage susceptibility testing.	The proposed study may be conducted under BSL-2 containment following institutional biosafety guidelines. Recommendation: Approved

For approved projects, the PIs must ensure strict adherence to the prescribed biosafety protocols (BSL levels) during the execution of the research. Any deviation or adverse event must be reported immediately to the IBSC. PIs of ongoing approved projects are reminded that they are required to submit periodic progress reports detailing biosafety compliance to the committee.

(Ajay Pratap Singh)
Member Secretary

Copy to

1. PS to VC, U.P. Veterinary University, Mathura
2. Director Research, DUVASU,
3. Dean, Co.V.Sc. & A.H. U.P. Veterinary University, Mathura
4. Chairman, IBSC, DUVASU, Mathura
4. Chairman, IQAC, DUVASU, Mathura
5. Office Record / IBSC File

15.7.2026
(Ajay Pratap Singh)
Member Secretary