
Rapid Detection of Animal Meat Based Foodborne Pathogens

<i>Salient features</i>	<ul style="list-style-type: none">➤ Histopathological technique for the assessment of quality of meat prior to consumption.➤ Detection of tissue specific zoonotic pathogens across the carcass by immunopathological techniques.➤ Detection of species specific or genus specific pathogens by hybridization techniques.➤ Detection of the actual load of pathogens in various organs on real time basis.
<i>Advantages</i>	<ul style="list-style-type: none">✓ Quick and efficient methods of pathogen detection✓ Reduce meat borne intoxication and human health problems.✓ The instrumentation facilities can be placed at a laboratory adjoining to organized slaughterhouse.
<i>Process Technology / Product developed by</i>	Dr. Harmanjit Singh Banga, Department of Veterinary Pathology College of Veterinary Science, GADVASU, Ludhiana, Punjab bangahs3@yahoo.com, hsbanga3@gmail.com Dr. R.S. Brar, College of Veterinary Science, GADVASU, Ludhiana, Punjab. 7 more Co-PIs
<i>Year</i>	2015-16
<i>Source of funding</i>	MoFPI
<i>More information</i>	Status of commercialization / Patent / Publication Dutta et al. 2020. Prevalence, detection and identification of <i>Listeria monocytogenes</i> in retail chicken meat in Ludhiana, India by employing conventional isolation techniques and molecular polymerase chain reaction (PCR) assay. <i>Int. J. Curr. Microbiol. App. Sci.</i> 9(7): 1510-1517. Dutta et al. (2020). Isolation, identification and detection of <i>Staphylococcus aureus</i> in raw chicken and frozen chicken meat products in Ludhiana, India by standard isolation techniques and PCR assay. <i>Int. J. Curr. Microbiol. App. Sci.</i> 9(7): 2095-2101. Dutta et al. (2020). Localization and detection of <i>Campylobacter jejuni</i> using bimolecular techniques like immunohistochemistry (IHC) and Fluorescence in situ hybridization (FISH) in raw chicken meat. <i>J. Entomo. Zool. Studies</i> , 80(4):467-470.