

### Format for Technology Repository

Type of Technology	Title of the technology	Crop/Enterprise	Location specificity of the technology	Details of the technology	Probable Outcome of the Technology	Technology owner (Name and Institution)	Reference No/Notification No	Year of Notification/Release	IPR Issues (Patented / Not Patented)
Standardization and utilization of diagnostic protocols	Molecular detection of <i>Clostridium perfringens</i> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes - cpa cpb2, cpe</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	Molecular detection of <i>Pasteurella multocida</i> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes - KMT1 hyaD- hyaC, bcbD, dcbF, ecbJ, fcbD</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	Molecular detection of <i>Brucella spp</i> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes -31KDa OMP, 16Sr-RNA IS711</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	Molecular detection of <i>S. agalactiae</i> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes -16SrRNA cfb</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	Molecular detection of <i>Bordetella bronchiseptica</i> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes -dnt</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented

Standardization and utilization of diagnostic protocols	Molecular detection of <b><i>V. cholera</i></b> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes –rtxA, rtxC, ctx, ctxB</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	Molecular detection of <b><i>Aeromonas hydrophila</i></b> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes –Ahh1, asa1, aerA</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	RAPD protocol for <b><i>Aeromonas hydrophila</i></b>	--	Same as above	Same as above	Same as above	Same as above	NA	NA	Same as above
	Molecular detection of <b><i>Listeria monocytogenes</i></b> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes –iap, plcA, plcB, hly</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	RAPD protocol for <b><i>Listeria monocytogenes</i></b>	--	Same as above	Same as above	Same as above	Same as above	NA	NA	Same as above
	Molecular detection of <b><i>Campylobacter jejuni</i></b> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes – iam flaA, hip O</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	Molecular detection of <b><i>Salmonella spp</i></b> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes – stn invA, fimA, sopB, sopE, Sef C, pefA</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	Molecular detection of <b><i>E. coli</i></b> by Polymerase Chain Reaction (PCR)	--	Meghalaya	<i>Detection of genes – stx1 &amp; 2, hlyA, elt, est</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented

Standardization and utilization of diagnostic protocols	Molecular detection of <b><i>Rotavirus</i></b> by RT-PCR and SDS-PAGE	--	Meghalaya	<i>Detection of genes – VP7</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	Molecular detection of <b>Classical swine fever virus</b> by RT-PCR	--	Meghalaya	<i>Detection of CSFV genes</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented
	Molecular detection of <b>Infectious bovine rhinotracheitis (IBR)</b>	--	Meghalaya	<i>Detection of IBR genes</i>	Rapid and accurate disease diagnosis	Division of Animal Health, ICAR, Umiam	NA	NA	Not patented