National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CONTRACT RESEARCH SERVICES-GENEOMBIO TECHNOLOGIES PVT. LTD., VEDANT, S.NO. 39/3, H.NO.1043, YOGI PARK,BANER, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8898 **Page No** 1 of 3

Validity 01/04/2022 to 31/03/2024 **Last Amended on** 07/07/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL- MOLECULAR ANALYSIS (TESTS FOR VARIOUS MATRICES-HUMAN,PLANTS,ANIMAL,MICROBIAL)	Animal origin specimens like blood, milk, semen, hair follicles, Processed Milk, and Ghee.	Beta casein (A1/A2) Genotyping	SOP No. GTPL/PRO/35 Issue No.02 August 20, SOP No. GTPL/PRO/78 Issue No.02 August 20, SOP No. GTPL/PRO/M-08 Issue No.03 August 20, SOP No. GTPL/PRO/20 Issue No.06 August 20, SOP No. GTPL/PRO/31 Issue No.03 August 20, SOP No. GTPL/PRO/04 Issue No.05 August 20, SOP No. GTPL/PRO/38 Issue No.05 August 20, 2020SOP No. GTPL/PRO/77 Issue No.02 August 20, 2020
2	BIOLOGICAL- MOLECULAR ANALYSIS (TESTS FOR VARIOUS MATRICES-HUMAN,PLANTS,ANIMAL,MICROBIAL)	Bacterial – Culture plates, slants, cell pellet, liquid media grown bacterial culture, bacterial DNA, PCR product	Bacterial Identification by 16S rDNA sequencing	SOP No. GTPL/PRO/02 Issue No.06 Jun 21, SOP No. GTPL/PRO/38 Issue No.06 Jun 21, SOP No. GTPL/PRO/43 Issue No.02 August 20, SOP No. GTPL/PRO/20 Issue No.06 August 20, SOP No. GTPL/PRO/31 Issue No.03 August 20, SOP No. GTPL/PRO/04 Issue No.05 August 20: 2020.
3	BIOLOGICAL- MOLECULAR ANALYSIS (TESTS FOR VARIOUS MATRICES-HUMAN,PLANTS,ANIMAL,MICROBIAL)	Bacterial cultures – culture plate, slant, liquid media grown culture or cell pellet	Plasmid DNA extraction	SOP No. GTPL/PRO/17 Issue No.06 Jun 21, SOP No. GTPL/PRO/56 Issue No.03 Jun 21, SOP No. GTPL/PRO/20 Issue No.06 August 20
4	BIOLOGICAL- MOLECULAR ANALYSIS (TESTS FOR VARIOUS MATRICES-HUMAN,PLANTS,ANIMAL,MICROBIAL)	Food and agricultural products (Rice and rice derived, Soya and soya derived, Maize and maize derived, Wheat and wheat derived, Potato and potato derived, Papaya and Papaya derived, Jackfruit and Jackfruit derived, Mango and Mango Derived, Sesame and Sesame derived, Kalonji and Kalonji derived, Yeast powder, Brinjal and Brinjal derived, Cotton and cotton derived, Banana and Banana derived, Capsicum and Capsicum derived, Tomato Filling for Pizza, Milk and Milk derived Products), Spices (Black pepper, Cumin, Coriander, Turmeric)	Qualitative (35S promoter and NOS terminator targeted Screening) test for detection of genetically modified organism (GMO)	SOP No. GTPL/PRO/58 Issue No.02 August 20, SOP No. GTPL/PRO/59 Issue No.02 August 20, SOP No. GTPL/PRO/40 Issue No.05 August 20, SOP No. GTPL/PRO/20 Issue No.06 August 20, SOP No. GTPL/PRO/38 Issue No.05 August 20, 2020

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5	BIOLOGICAL- MOLECULAR ANALYSIS (TESTS FOR VARIOUS MATRICES-HUMAN,PLANTS,ANIMAL,MICROBIAL)	Fungal, yeasts and molds culture – culture plates, slants, cell pellet Fungal DNA, Yeast DNA, Mold DNA, PCR products	Fungal, Yeast and Mold Identification by ITS, 18S and LSU region sequencing	SOP No. GTPL/PRO/03 Issue No.06 Jun 21, SOP No. GTPL/PRO/04 Issue No.05 August 20, SOP No. GTPL/PRO/38 Issue No.06 Jun 21, SOP No. GTPL/PRO/20 Issue No.06 August 20, SOP No. GTPL/PRO/31 Issue No.03 August 2020
6	BIOLOGICAL- MOLECULAR ANALYSIS (TESTS FOR VARIOUS MATRICES-HUMAN,PLANTS,ANIMAL,MICROBIAL)	Human – Blood, tissue, fluids, cell lines; Animal – Blood, tissue, fluids, hair follicle, semen, milk; Insects – whole insect, legs; Plant – roots, leaves, stem, fruit, flower, seeds, callus, cell suspension; Microbial – Bacterial, Fungal and Viral cultures or cell pellets.	Nucleic Acid Isolation	SOP No. GTPL/PRO/38 Issue No.06 Jun 21, SOP No. GTPL/PRO/20 Issue No.06 August 20, SOP No. GTPL/PRO/59 Issue No. 02 August 20, SOP No. GTPL/PRO/24 Issue No.06 Jun 21 SOP No. GTPL/PRO/15 Issue No.02 August 20
7	BIOLOGICAL- MOLECULAR ANALYSIS (TESTS FOR VARIOUS MATRICES-HUMAN,PLANTS,ANIMAL,MICROBIAL)	Insects – whole insect, larvae, legs Fish, Crab, Prawns, Frog – Tissue, Ants, Termites, Animal – Blood, hair follicle, semen, DNA, Birds – blood, feathers, DNA	DNA Barcoding by Cytochrome Oxidase I gene Sequencing	SOP No. GTPL/PRO/27 Issue No.03 Jun 21, SOP No. GTPL/PRO/38 Issue No.06 Jun 21, SOP No. GTPL/PRO/20 Issue No.06 August 20, SOP No. GTPL/PRO/31 Issue No.03 August 20, SOP No. GTPL/PRO/04 Issue No.05 August 20,
8	BIOLOGICAL- MOLECULAR ANALYSIS (TESTS FOR VARIOUS MATRICES-HUMAN,PLANTS,ANIMAL,MICROBIAL)	PCR Products, Plasmid DNA, Human DNA, Rodent DNA, Animal DNA, Plant DNA, Insect DNA, Fungal and Bacterial DNA, Viral DNA	PCR product cloning	SOP No. GTPL/PRO/01 Issue No.06 Jun 21, SOP No. GTPL/PRO/40 Issue No.05 August 20, SOP No. GTPL/PRO/31 Issue No.03 August 20, SOP No. GTPL/PRO/16 Issue No.05 August 20, SOP No. GTPL/PRO/17 Issue No.06 Jun 21, SOP No. GTPL/PRO/56 Issue No.03 Jun 21, SOP No. GTPL/PRO/04 Issue No.05 August 20, SOP No. GTPL/PRO/43 Issue No.02 August 20, SOP No. GTPL/PRO/20 Issue No.06 August 20,

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9	BIOLOGICAL- MOLECULAR ANALYSIS (TESTS FOR VARIOUS MATRICES-HUMAN,PLANTS,ANIMAL,MICROBIAL)	PCR Products,Plasmid DNA, Human DNA, Rodent DNA, Animal DNA, Plant DNA, Insect DNA, Fungal and Bacterial DNA, Viral DNA.	DNA Sequencing	SOP No. GTPL/PRO/04 Issue No.05 August 20, SOP No. GTPL/PRO/17 Issue No.06 Jun 21, SOP No. GTPL/PRO/56 Issue No.03 Jun 21, SOP No. GTPL/PRO/31 Issue No.03 August 20, SOP No. GTPL/PRO/16 Issue No.05 August 20
10	BIOLOGICAL- MOLECULAR ANALYSIS (TESTS FOR VARIOUS MATRICES-HUMAN,PLANTS,ANIMAL,MICROBIAL)	Plant – roots, leaves, stem, fruit, flower, seeds, callus, cell suspension	Plant Identification by rbcL, matK and ITS region DNA sequencing	SOP No. GTPL/PRO/32 Issue No.03 Jun 21, SOP No. GTPL/PRO/24 Issue No.06 Jun 21, SOP No. GTPL/PRO/38 Issue No.06 Jun 21, SOP No. GTPL/PRO/04 Issue No.05 August 20, SOP No. GTPL/PRO/20 Issue No.06 August 20, SOP No. GTPL/PRO/31 Issue No.03 August 20