National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : REGIONAL FORENSIC SCIENCE LABORATORY, DODDABATHI, DAVANGERE, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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	FORENSIC- BIOLOGICAL SCIENCES	Bones, Teeth and Meat	Detection of Animal Origin such as Human, Foul, Sheep, Buffalo, Pig, Horse, Goat, Cow, Dog: Gel Diffusion Test and Cross-Over Electrophoresis	RFSL/DVG/WPM-BS, Issue No.: 1, Issue Date: 04.10.2021
2	FORENSIC- BIOLOGICAL SCIENCES	Cloths, Stones, Wooden Material, Swab, Iron Material, Mud and Other Stained Materials	Detection of Blood Stains: 1. Test for Peroxidase Enzyme in Hemoglobin a) Benzidine Test b) Leukomalachite Green Test 2. Test for Heme Component in Hemoglobin a) Kastle-Mayer Test b) Luminescence Test c) Takayama Test d) Teichmann hemin crystal test 3.Test for Origin of Blood by Gel Diffusion Test and Cross-Over Electrophoresis 4. Test for Blood Antigen by Absorption Elution Method	RFSL/DVG/WPM-BS, Issue No.: 1, Issue Date: 04.10.2021
3	FORENSIC- BIOLOGICAL SCIENCES	Cloths, Swabs and Other Stained Materials	Detection of Urine Stain: Test for Creatinine (Jaffe's Test)	RFSL/DVG/WPM-BS, Issue No.: 1, Issue Date: 04.10.2021
4	FORENSIC- BIOLOGICAL SCIENCES	Cloths, Swabs, Nail Clippings, Smear, Hairs and Other Stained Materials	1. Detection of Seminal Stains: a) Test for Phosphatase Enzyme b) Test for Choline c) Gel Diffusion Test and Cross-Over Electrophoresis 2. Detection of Spermatozoa: a) Microscopical Test b) Prostate Specific Antigen Test 3. Identification of ABO Blood Grouping Antigen Test by Absorption Elution Method	RFSL/DVG/WPM-BS, Issue No.: 1, Issue Date: 04.10.2021
5	FORENSIC- BIOLOGICAL SCIENCES	Cloths, Swabs, Nail Clippings, Smear, Hairs and Other Stained Materials	1. Detection of Vaginal Secretions: Test for Phosphatase Enzyme 2. Detection of Blood: Test for Globin in Hemoglobin (Lugol's Test)	RFSL/DVG/WPM-BS, Issue No.: 1, Issue Date: 04.10.2021

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6	FORENSIC- BIOLOGICAL SCIENCES	Cloths, Swabs, Smear and Other Stained Materials	1. Detection of Saliva Stain: Amylase Enzyme Activity by a) Color Test b) Radial Diffusion Method c) Gel Diffusion Test, Cross-Over Electrophoresis 2. Identification of ABO Blood Group: Antigen Test by Absorption Elution Method	RFSL/DVG/WPM-BS, Issue No.: 1, Issue Date: 04.10.2021
7	FORENSIC- BIOLOGICAL SCIENCES	Hairs	Detection and Comparison of such as Human, Sheep, Buffalo, Goat, Cow, Cat, Dog Hairs: Microscopic and Macroscopic Examination	RFSL/DVG/WPM-BS, Issue No.: 1, Issue Date: 04.10.2021
8	FORENSIC- BIOLOGICAL SCIENCES	Lungs, Sternum Bone and Water Sample	Detection of Diatoms: Microscopic Examination	RFSL/DVG/WPM-BS, Issue No.: 1, Issue Date: 04.10.2021
9	FORENSIC- BIOLOGICAL SCIENCES	Nail Clippings	Detection of Epithelial Cells: Microscopic Examination	RFSL/DVG/WPM-BS, Issue No.: 1, Issue Date: 04.10.2021
10	FORENSIC- CHEMICAL SCIENCES	Blood	Quantitative Analysis of Ethyl Alcohol a) Identification (GC-FID) b) Confirmatory (GC-HS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
11	FORENSIC- CHEMICAL SCIENCES	Blood	Quantitative Analysis of Methyl Alcohol a) Identification (GC-FID) b) Confirmatory (GC-HS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
12	FORENSIC- CHEMICAL SCIENCES	Blood	Test for Carbon Monoxide Confirmatory UV-Vis Spectrophotometry (Spectroscopic)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
13	FORENSIC- CHEMICAL SCIENCES	Blood and Urine	Test for Cannabis: a) Identification of Tetrahydrocannabinol (Fast Blue B Salt Test) b) Identification of Tetrahydrocannabinol (Duquenois – Levine Test) c) Identification (TLC/HPTLC) d) Confirmatory Test by Gas Chromatography – Mass Spectrometry (GC-MS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
14	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Aluminium a) Test for Aluminium Ion (Aluminon Test) b) Test for Aluminium Ion (Alizarin S Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021

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15	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Arsenic a) Microscopic (Reinch's Test) b) Confirmatory (Gutzeit Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
16	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Chloral Hydrate a) Identification (Fujiwara Test) b) Identification (Nessler's Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
17	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Chloride a) Identification (Silver Nitrate Test) b) Confirmatory (Di-Pheny Carbazone Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
18	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Copper a) Identification (Ammonium Hydroxide Test) b) Confirmatory (Potassium Ferrocyanide Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
19	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Cresol a) Identification (Ferric Chloride Test) b) Identification (Libermann's Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
20	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Formaldehyde a) Test for Reducing Group (Schiff's Test) b) Test for Aldehyde Group (Chromotropic Acid Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
21	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Hydrochloric Acid a) Test for Chloride Ion (Gunzberg's Test) b) Test for Chloride Ion (Silver Nitrate Test) c) pH Test	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
22	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Hypochlorite a) Identification (Lead Nitrate Test) b) Confirmatory (Cobalt Nitrate Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
23	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Lead a) Identification (Hydrochloride Test) b) Confirmatory (Potassium Iodide Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
24	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Mercury a) Identification (Diphenyl Carbazone Test) b) Confirmatory (Copper Iodide Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021

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25	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Nitrate a) Test for Nitrate Ion (Brucine Test) b) Test for Nitrate Reduction (Sulphanilic Acid-a-Napthylamine Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
26	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Nitrobenzine a) Identification (Hydrochloric Acid Test) b) Identification (Ammonium Chloride Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
27	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Phenol a) Identification (Ferric Chloride Test) b) Identification (Nessler's Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
28	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Sulphate a) Identification (Sodium Rhodizonate Test) b) Test for Sulphate Group (Barium Chloride Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
29	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Sulphuric Acid a) Test for Sulphate Ion (Barium Chloride Test) b) pH Test	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
30	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Turpentine a) Identification (Sulphuric Acid) b) Identification (Marquis Test) c) Identification (Vanillin Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
31	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents	Test for Zinc a) Test for Hydrogen Gas (Hydrogen Sulphide Test) b) Confirmatory (Potassium Ferrocyanide Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
32	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood	Test for Kerosene a) Identification UV-Vis Spectrophotometry (Spectroscopic) b) Confirmatory (GC-HS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021

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33	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Acidic drugs (Phenobarbital, Methyl Phenobarbital Thiopentone, Salicylic Acid, Acetaminophen, Aspirin, Meprobamate) a) Identification of Barbiturates (Dille – Koppayani Test) b) Identification of Thiobarbiturate (Zwikker's Test) c) Identification of Salicylates (McNally's Test) d) Identification (TLC/HPTLC) e) Confirmatory Test (Spectroscopic) UV-Vis Spectrophotometry f) Confirmatory (GC-MS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
34	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Basic Drugs (Morphine, Heroin, Codeine, Caffeine, Diazepam, Atropine, Paracetamol, Clonazepam, Diazepam, Lidocaine, Amitriptyline, Procaine, Amphetamine, Methylamphetamine, Chlorpheniramine, Pheneramine, Benzocaine, Dextropropoxyphene, Diamorphine, Methadone, Flurazepam, Ketazolam, Lorazepam, Nitrazepam, Triazolam, Sulphadiazine, Alprazolam) a) Marquis Test b) Mandelin's Test c) Fisher Morris Test d) Identification by (TLC/HPTLC) e) Confirmatory (UV-Vis) f) Confirmatory (GC-MS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
35	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Carbamate Pesticides (Carbofuran, Carbosulfan, Carbaryl, Methomyl) a) Identification of Furil Ring (Furfural Test) b) Identification (TLC/HPTLC) c) Confirmatory (GC-MS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021

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36	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Diquat a) Identification Test (Sodium Dithionite – Sodium Hydroxide Test) b) Confirmatory Test (Spectroscopic) UV-Vis Spectrophotometry (UV-Vis)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
37	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Ethyl Alcohol a) Test for Reducing Group (Iodoform Test) b) Test for Reducing Group (Sulphomolybdic Acid Test) c) Confirmatory Test by Gas Chromatography (GC-FID) d) Confirmatory Test by Gas Chromatography – Head Space (GC-HS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
38	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Hydrocyanic Acid: Test for Cyanide Ion (Prussian Blue Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
39	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Methyl Alcohol a) Test for Reducing Group (Schiff's Test) b) Test for Aldehyde Group (Chromotropic Acid Test) c) Confirmatory (GC-FID) d) Confirmatory (GC-HS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
40	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Organochloro Pesticides (DDT) a) Test for Chloride b) Confirmatory Test (GC-MS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
41	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Organophosphorus Pesticides (Glyphosate, Chlorpyrifos, Acephate, Dichlorvos, Dimethoate, Malathion, Methyl Parathion, Monocrotophos, Phenthoate, Phorate, Profenofos, Quinalphos, Triazophos, Diazinon, Fenitrothion, Phosphamidon) a) Test for Phosphate b) Identification (TLC/HPTLC) c) Confirmatory Test (GC-MS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021

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42	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Paraquat Dichloride a) Identification (Sodium Dithionite – Sodium Hydroxide Test) b) Identification (TLC/HPTLC) c) Confirmatory (Spectroscopic) UV-Vis Spectrophotometry	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
43	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Test for Phosphine a) Test for Reducing Group (SDDC-Morpholine Test) b) Confirmatory UV-Vis Spectrophotometry (Spectroscopic Test)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021
44	FORENSIC- CHEMICAL SCIENCES	Viscera, Stomach Aspirate, Stomach Contents, Blood and Urine	Tests for Synthetic Pyrethroid Pesticides (Cypermethrin, Allethrin, Cyfluthrin, Cyhalothrin, Deltamethrin, Fenvalerate, Permethrin, Prallethrin) a) Identification (TLC/HPTLC) b) Confirmatory (GC-MS)	RFSL/DVG/WPM-TS, Issue No.: 1, Issue Date: 04.10.2021