National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : REGIONAL FORENSIC SCIENCE LABORATORY, NORTHERN RANGE, KANGRA, DHARAMSHALA, HIMACHAL PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 04/07/2021 to 03/07/2023 **Last Amended on** -

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	Any Biological Material of Human Origin Like:Blood, Saliva, Sweat, Milk, Tissue, Bones, Hair, Biological Stains etc	Extraction of DNA from Biological Samples, Amplification of DNA and Genotyping of DNA	WPM: RFSL/NR/DNA Issue No. 1 date 02.03.2020
2	FORENSIC- BIOLOGICAL SCIENCES	Blood stained crime exhibits	Absorption-Elution method for Blood grouping	Working Procedure Manual of Biology and Serology, RFSL/NR/BIO & SERO-1.3.0 (i), Issue No. 1 date 17.10.2017
3	FORENSIC- BIOLOGICAL SCIENCES	Blood stained crime exhibits	Benzidine Test for detection of blood	Working Procedure Manual of Biology & Serology, RFSL/NR/BIO & SERO-1.1.7 (i), Issue No. 1 date 17.10.2017
4	FORENSIC- BIOLOGICAL SCIENCES	Blood stained crime exhibits	Phenolpthalein Test for detection of blood	Working Procedure Manual of Biology and Serology, RFSL/NR/BIO & SERO-1.1.7 (ii), Issue No. 1 date 17.10.2017
5	FORENSIC- BIOLOGICAL SCIENCES	Blood stained crime exhibits	Species of origin by Gel-Diffusion Technique	Working Procedure Manual of Biology and Serology, RFSL/NR/BIO & SERO-1.2.0 (i), Issue No. 1 date 17.10.2017
6	FORENSIC- BIOLOGICAL SCIENCES	Bone/tissue for Diatom	Acid digestion method	Working Procedure Manual of Biology and Serology, RFSL/NR/BIO & SERO-5.1.0 (i), Issue No. 1 date 17.10.2017
7	FORENSIC- BIOLOGICAL SCIENCES	Hair	i) Morphological examination ii) Microscopic examination	Working Procedure Manual of Biology and Serology, RFSL/NR/BIO & SERO-3.1.0 (i&ii), Issue No. 1 date 17.10.2017
8	FORENSIC- BIOLOGICAL SCIENCES	Saliva Stains on crime exhibits	Starch-Iodine Test for detection of saliva	Working Procedure Manual of Biology and Serology, RFSL/NR/BIO & SERO-4.1.0 (i), Issue No. 1 date 17.10.2017
9	FORENSIC- BIOLOGICAL SCIENCES	Semen stained crime exhibits	Acid Phosphate test for semen detection	Working Procedure Manual of Biology and Serology, RFSL/NR/BIO & SERO-2.1.0 (ii), Issue No. 1 date 17.10.2017
10	FORENSIC- BIOLOGICAL SCIENCES	Semen stained crime exhibits	Microscopic examination	Working Procedure Manual of Biology and Serology, RFSL/NR/BIO & SERO-2.1.0 (iii),Issue No. 1 date 17.10.2017

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11	FORENSIC- BIOLOGICAL SCIENCES	Semen stained crime exhibits	UV light examination (254 nm and 365 nm)	Working Procedure Manual of Biology and Serology, RFSL/NR/BIO & SERO-2.1.0 (i), Issue No. 1 date 17.10.2017
12	FORENSIC- CHEMICAL SCIENCES	Blood for Carbon monoxide	Hoppe-Seyler's test	WPM:RFSL/NR/Chem&Toxi No.01-4.3.2a, Issue No. 1 date 17.10.2017
13	FORENSIC- CHEMICAL SCIENCES	Blood for Carbon monoxide	Carbon monoxide-carboxy-haemoglobin test	WPM:RFSL/NR/Chem&Toxi No.01-4.3.2b, Issue No. 1 date 17.10.2017
14	FORENSIC- CHEMICAL SCIENCES	Blood, Urine for Copper	Ammonium hydroxide test	WPM:RFSL/NR/Chem&Toxi No.01-5.2a, Issue No. 1 date 17.10.2017
15	FORENSIC- CHEMICAL SCIENCES	Blood, Urine for Copper	Pot. Ferrocyanide test	WPM:RFSL/NR/Chem&Toxi No.01-5.2b, Issue No. 1 date 17.10.2017
16	FORENSIC- CHEMICAL SCIENCES	Blood, Urine for Zinc	Sodium hydroxide test	WPM:RFSL/NR/Chem&Toxi No.01-5.1a, Issue No. 1 date 17.10.2017
17	FORENSIC- CHEMICAL SCIENCES	Blood, Urine for Zinc	Pot. Ferrocyanide test	WPM:RFSL/NR/Chem&Toxi No.01-5.1b, Issue No. 1 date 17.10.2017
18	FORENSIC- CHEMICAL SCIENCES	Blood, Urine for Hydrocyanic acid	Purssian blue Test	WPM:RFSL/NR/Chem&Toxi No.01-4.1.4a, Issue No. 1 date 17.10.2017
19	FORENSIC- CHEMICAL SCIENCES	Blood, Urine for Aluminium	Lake Test (Detection of toxic cations)	WPM:RFSL/NR/Chem&Toxi No.01-5.3a, Issue No. 1 date 17.10.2017
20	FORENSIC- CHEMICAL SCIENCES	Bottle, blood, Urine etc. Ethyl alcohol	Dichromate Test	WPM:RFSL/NR/Chem&Toxi No. 01-4.1.1a, Issue No. 1 date 17.10.2017
21	FORENSIC- CHEMICAL SCIENCES	Bottle, blood, Urine etc. Ethyl alcohol	Iodoform Test	WPM:RFSL/NR/Chem&Toxi No.01-4.1.1b, Issue No. 1 date 17.10.2017
22	FORENSIC- CHEMICAL SCIENCES	Bottle, Blood, Urine for Turpentine	Sulphuric acid Test	WPM:RFSL/NR/Chem&Toxi No.01-4.1.3a, Issue No. 1 date 17.10.2017
23	FORENSIC- CHEMICAL SCIENCES	Bottle, Blood, Urine for Turpentine	Marquis Test	WPM:RFSL/NR/Chem&Toxi No.01-4.1.3b, Issue No. 1 date 17.10.2017

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24	FORENSIC- CHEMICAL SCIENCES	Bottle, Blood, Urine for Turpentine	Vanallin test	WPM:RFSL/NR/Chem&Toxi No.01-4.1.3c, Issue No. 1 date 17.10.2017
25	FORENSIC- CHEMICAL SCIENCES	Bottle, Blood, Urine for Methanol	Schiff's Test	WPM:RFSL/NR/Chem&Toxi No.01-4.1.2a, Issue No. 1 date 17.10.2017
26	FORENSIC- CHEMICAL SCIENCES	Bottle, Blood, Urine for Methanol	Chromotropic acid Test	WPM:RFSL/NR/Chem&Toxi No.01-4.1.2b, Issue No. 1 date 17.10.2017
27	FORENSIC- CHEMICAL SCIENCES	Bottle, Blood, Urine for Phenol	Ferric chloride	WPM:RFSL/NR/Chem&Toxi No.01-4.1.5a, Issue No. 1 date 17.10.2017
28	FORENSIC- CHEMICAL SCIENCES	Bottle, Blood, Urine for Phenol	Libermann's test	WPM:RFSL/NR/Chem&Toxi No.01-4.1.5b, Issue No. 1 date 17.10.2017
29	FORENSIC- CHEMICAL SCIENCES	Clothes, Skin, Hair for HCl	Chloride ion	WPM:RFSL/NR/Chem & Toxi No. 01-1.1(c), Issue No. 1 date 17.10.2017
30	FORENSIC- CHEMICAL SCIENCES	Clothes, Skin, Hair for HCl	pH	WPM:RFSL/NR/Chem & Toxi No. 01-1.1(a) &1.1 (b), Issue No. 1 date 17.10.2017
31	FORENSIC- CHEMICAL SCIENCES	Clothes, Skin, Hair for Detection of residues of petrol, kerosene, diesel in fire debris	TLC (solvent extraction method)	WPM:RFSL/NR/Chem & Toxi No. 01-2.2, Issue No. 1 date 17.10.2017
32	FORENSIC- CHEMICAL SCIENCES	Clothes, Skin, Hair for Detection of residues of petrol, kerosene, diesel in fire debris	GC-MS	WPM:RFSL/NR/Chem & Toxi No. 01-2.3, Issue No. 1 date 17.10.2017
33	FORENSIC- CHEMICAL SCIENCES	Clothes, Skin, Hair for H2SO4	pH	WPM:RFSL/NR/Chem & Toxi No. 01-1.2(a) &1.2 (b), Issue No. 1 date 17.10.2017
34	FORENSIC- CHEMICAL SCIENCES	Clothes, Skin, Hair for H2SO4	Sulphate ion	WPM:RFSL/NR/Chem & Toxi No. 01-1.2(c), Issue No. 1 date 17.10.2017
35	FORENSIC- CHEMICAL SCIENCES	Clothes, Skin, Hair for HNO3	pH	WPM:RFSL/NR/Chem & Toxi No. 01-1.3(a) &1.3 (b), Issue No. 1 date 17.10.2017
36	FORENSIC- CHEMICAL SCIENCES	Clothes, Skin, Hair for HNO3	Nitrate ion	WPM:RFSL/NR/Chem & Toxi No. 01-1.3(c), Issue No. 1 date 17.10.2017
37	FORENSIC- CHEMICAL SCIENCES	Glass bottles, clothes, currency notes for Carbonate ion	Hydrochloric acid test	WPM RFSL/NR/Chem&Toxi No. 01-3.2 (a), Issue No. 1 date 17.10.2017

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38	FORENSIC- CHEMICAL SCIENCES	Glass bottles, clothes, currency notes for Carbonate ion	Silver Nitrate Test	WPM:RFSL/NR/Chem&Toxi No. 01-3.2 (b) Issue No. 1 date 17.10.2017
39	FORENSIC- CHEMICAL SCIENCES	Glass bottles, clothes, currency notes for Sodium ion	Flame Test	WPM:RFSL/NR/Chem&Toxi No. 01-3.3 (b), Issue No. 1 date 17.10.2017
40	FORENSIC- CHEMICAL SCIENCES	Glass bottles, clothes, currency notes for Sodium ion	Uranyl Zinc Acetate Test	WPM:RFSL/NR/Chem&Toxi No. 01-3.3 (a), Issue No. 1 date 17.10.2017
41	FORENSIC- CHEMICAL SCIENCES	Glass bottles, clothes, currency notes for Phenolphthalein	pH	WPM:RFSL/NR/Chem & Toxi No. 01-3.1.1(a), Issue No. 1 date 17.10.2017
42	FORENSIC- CHEMICAL SCIENCES	Glass bottles, clothes, currency notes for Phenolphthalein	Acid-Alkali Test	WPM:RFSL/NR/Chem & Toxi No. 01-3.1.1(b), Issue No. 1 date 17.10.2017
43	FORENSIC- CHEMICAL SCIENCES	Glass bottles, clothes, currency notes for Phenolphthalein	Spectrophotometric examination	WPM:RFSL/NR/Chem&Toxi No. 01-3.1.4, Issue No. 1 date 17.10.2017
44	FORENSIC- CHEMICAL SCIENCES	Glass bottles, clothes, currency notes for Phenolphthalein	TLC	WPM:RFSL/NR/Chem & Toxi No. 01-3.1.3, Issue No. 1 date 17.10.2017
45	FORENSIC- CHEMICAL SCIENCES	Quantification of Ethylalcohol in Blood, Urine sample	Modified Cuvette Method	WPM:RFSL/NR/Chem&Toxi No. 01-4.2 Issue No. 1 date 17.10.2017
46	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Barbiturates	Diphenyl carbazone test (Detection of acidic drugs/poisons)	WPM:RFSL/NR/Chem & Toxi No.01-8.2.1.1, Issue No. 1 date 17.10.2017
47	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Barbiturates	TLC, GC-MS (Detection of acidic drugs/poisons)	WPM:RFSL/NR/Chem & Toxi No.01-8.2.1.2 a & b, Issue No. 1 date 17.10.2017
48	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Basic drugs/ poisons	Colour test: Formaldehyde-Sulphuric acid test (Detection of basic drugs/poisons)	WPM:RFSL/NR/Chem & Toxi No. 01to 7.2.2, Issue No. 1 date 17.10.2017
49	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Basic drugs/ poisons	Colour test: Marquis test (Detection of basic drugs/poisons)	WPM:RFSL/NR/Chem & Toxi No. To 7.2.2, Issue No. 1 date 17.10.2017
50	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Basic drugs/ poisons	Colour test: Nitric acid test (Detection of basic drugs/poisons)	WPM:RFSL/NR/Chem & Toxi No. 01 to 7.2.2 Issue No. 1 date 17.10.2017
51	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Basic drugs/ poisons	Screening tests- Dragendorff's Reagent Test (Detection of basic drugs/poisons)	WPM:RFSL/NRChem & Toxi No. 01 to 7.2.1 b, Issue No. 1 date 17.10.2017

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52	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Basic drugs/ poisons	Screening tests -Mayer's Reagent Test (Detection of basic drugs/poisons)	WPM:RFSL/NR/Chem & Toxi No.01 to 7.2.1a Issue No. 1 date 17.10.2017
53	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Basic drugs/ poisons	TLC, GC-MS (Detection of basic drugs/poisons)	WPM:RFSL/NR/Chem & Toxi No.01-7.2.3a&b, Issue No. 1 date 17.10.2017
54	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Cannabinoids	Fast blue B test (Detection of acidic drugs/poisons)	WPM:RFSL/NR/Chem & Toxi No.01-8.2.2.1a, Issue No. 1 date 17.10.2017
55	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Cannabinoids	Duquenois-Levine Test (Detection of acidic drugs/poisons)	WPM:RFSL/NR/Chem & Toxi No.01-8.2.2.1b, Issue No. 1 date 17.10.2017
56	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Carbamate Insecticides	Colour Test (Furfural Test)	WPM:RFSL/NR/Chem&Toxi No.01-6.3a, Issue No. 1 date 17.10.2017
57	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Carbamate Insecticides	TLC, GC-MS	WPM:RFSL/NR/Chem&Toxi No.01-6.3b & c, Issue No. 1 date 17.10.2017
58	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Ethyl alcohol quantitation	GC-HS	WPM:RFSL/NR/Chem & Toxi No. 01-4.2b, Issue No. 1 date 17.10.2017
59	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Organo-Phosphorous Insecticides	Colour Test (Tetraethylene-Pentamine test)	WPM:RFSL/NR/Chem&Toxi No.01-6.1a, Issue No. 1 date 17.10.2017
60	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Organo-Phosphorous Insecticides	color test	WPM:RFSL/NR/Chem&Toxi No.01-6.2a, Issue No. 1 date 17.10.2017
61	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Organo-Phosphorous Insecticides	TLC, GC-MS	WPM:RFSL/NR/Chem&Toxi No.01-6.2b & c, Issue No. 1 date 17.10.2017
62	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Organo-Phosphorous Insecticides	TLC, GC-MS	WPM:RFSL/NR/Chem&Toxi No.01-6.1b & c, Issue No. 1 date 17.10.2017
63	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Phosphine (Phosphide)	Mercuric chloride/bromide test	WPM:RFSL/NR/Chem&Toxi No.01-4.3.1, Issue No. 1 date 17.10.2017
64	FORENSIC- CHEMICAL SCIENCES	Visceral Tissues, Blood, Urine for Synthetic Pyrethroids	TLC, GC-MS	WPM:RFSL/NR/Chem & Toxi No.01 -6.4a & b, Issue No. 1 date 17.10.2017
65	FORENSIC- PHYSICAL SCIENCES	Cell Phones (android, basic, tabs, Iphones)	Data extraction and Analysis	WPM: RFSL/NR/DOC-2 (0.6), Issue No. 1 date 17.10.2017

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66	FORENSIC- PHYSICAL SCIENCES	Alteration(addition, substitution, obliteration, overwriting, erasures etc.)	Decipherment of Original writing and detection of erasures using different light sources: - Spot Light - Transmitted Light - IR Light - UV Light - Oblique Light	WPM: RFSL/NR/DOC-1 (0.7,0.8,0.9), Issue No. 1 date 17.10.2017
67	FORENSIC- PHYSICAL SCIENCES	Comparison of ink	Physical examination UV/IR examination	WPM: RFSL/NR/DOC-1 (1.1,1.2), Issue No. 1 date 17.10.2017
68	FORENSIC- PHYSICAL SCIENCES	Comparison of paper	1. Physical examination (a) Color; (b) Size 2. UV Features 3. Water mark 4. Paper Fibers 5. Printed matter	WPM: RFSL/NR/DOC-1 (1.7,2.1), Issue No. 1 date 17.10.2017
69	FORENSIC- PHYSICAL SCIENCES	Examination of Printed matter	Printing defects Comparison of printed matter	WPM: RFSL/NR/DOC-1 (1.0,1.5, 2.0), Issue No. 1 date 17.10.2017
70	FORENSIC- PHYSICAL SCIENCES	Handwriting/Signatures Identification	Comparison of Questioned and Standard Writings/Signatures	WPM:RFSL/NR/DOC-1 (0.7,0.8), Issue No. 1 date 17.10.2017
71	FORENSIC- PHYSICAL SCIENCES	Indentations	Physical examination and Oblique light examination	WPM: RFSL/NR/DOC-1 (1.4), Issue No. 1 date 17.10.2017
72	FORENSIC- PHYSICAL SCIENCES	Memory Cards	Data extraction and Analysis	WPM: RFSL/NR/DOC-2 (0.6), Issue No. 1 date 17.10.2017
73	FORENSIC- PHYSICAL SCIENCES	Pen Drives	Data extraction and Analysis	WPM: RFSL/NR/DOC-2 (0.6), Issue No. 1 date 17.10.2017
74	FORENSIC- PHYSICAL SCIENCES	SIM Cards	Data extraction and Analysis	WPM: RFSL/NR/DOC-2 (0.6), Issue No. 1 date 17.10.2017
75	FORENSIC- PHYSICAL SCIENCES	Stamp impressions andseals	Physical examination Side-by-Side comparison, Super-imposition	WPM: RFSL/NR/DOC-1 (1.3, 1.6), Issue No. 1 date 17.10.2017