

Scope of Accreditation For Sorenson Genomics – Identigene

2511 South West Temple
Salt Lake City, UT 84115
BethAnne Layton
801-462-1494

In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Sorenson Genomics –Identigene** to perform the following tests:

Accreditation granted through: **March 6, 2018**

Testing – Biological

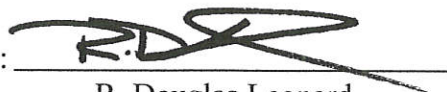
Technology	Methods Used	Product Types	Remarks
Specimen Collection, Accessioning and Storage	SCP-2000	Transfer devices	Devices including Buccal Swabs, FTA Cards, other intimate items (i.e. Toothbrush)
	SCP-3002	Biological Tissue	Tissue including Cultured CVS and Bone.
	SCP-3003		
	ACC-3001 ACC-3006 ACC-3008	Bodily Fluids	Fluids including Amniotic Fluid, excluding Urine
		Extracted Nucleic Acid	Approximate Storage Temp (-80°C to ambient)
Nucleic Acid Extraction	EXT-3009 EXT-3021 EXT-3022	Extracted Nucleic Acid	Manual Organic Extraction Microcon Purification; Automated extraction using the Tecan Freedom Evo 200 Promega DNAIQ kit chemistry
DNA Quantitation	EXT-3025 PCR-3313	Quantified DNA	Spectrophotometry (Optical Density or Fluorescence) Real Time PCR on Life Technologies 7900-Instruments using Quantifiler.

Technology	Methods Used	Product Types	Remarks
PCR Amplification	PCR-3130 PCR-3131 PCR-3412 PCR-3501 REP-3502	Autosomal and Y Chromosome STRs, Mitochondrial DNA, Single Nucleotide Polymorphisms (SNPs)	Automated and Manual DNA Amplification utilizing Vendor or in-house developed test kits.
DNA Sequence Analysis	PCR-3412 AYS-3001	Mitochondrial DNA sequences	Sanger sequencing using Big Dye Terminator chemistry for Hypervariable regions I, II and III. Sequence analysis using GeneCodes-Sequencer Software.
Fragment Analysis	PCR-3130 AYS-3007 AYS-3114	Autosomal and Y chromosome STR profiles	Capillary electrophoresis of amplified DNA on the Life Technologies 3730(xl). Genotyping using Life Technologies GeneMapper Software.
SNP Analysis	SNP-3001 SNP-3101 SNP-3102 AYS-3115 AYS-3116 AYS-4011	SNP genotypes	SNP Analysis using Life Technologies OpenArray System and Sequence Detection Software.
Parentage, kinship and ancestry analysis	AYS-3001, AYS-3003, AYS-3007, AYS-3009, AYS-3010, AYS-3114, RPT-3000, RPT-3003	Parentage, Siblingship, Avuncular, Grandparentage, Identity, Maternal and/or Paternal Ancestry including haplotyping and haplogrouping, and Worldwide Ancestry assessment	Case Analysis utilizing In-house Developed Software and DNAView.

Notes:

- 1) This laboratory offers commercial testing service.

Approved by:



 R. Douglas Leonard
Chief Technical Officer

 Date: May 9, 2016