

**Scope of Accreditation  
For  
Sorenson Genomics, LLC<sup>1</sup>  
Identigene, LLC<sup>2</sup>**

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

Accreditation granted through: **March 6, 2012**

**Testing**

<b>Technology</b>	<b>Methods Used</b>	<b>Product Types</b>	<b>Remarks</b>
Specimen Collection	SCP-2000, SCP-3002, SCP-3002, SCP-3003, HSP-4002	Biological specimen for DNA analysis.	Note - Specimen Collection extends to third party organizations affiliated with Sorenson Genomics (specifically DNA Worldwide Group Ltd., UK <sup>3</sup> ). Buccal Swabs, Mouthwash, Blood, Tissue, Chorionic Villi, Amniocentesis, Biologic Stain, Bone
DNA Extraction	EXT-3005, EXT-3006, EXT-3008, EXT-3009, EXT-3010, EXT-3011, EXT-3015, EXT-3020, EXT-3021, EXT-3022, EXT-4015	Extracted DNA	Automated and Manual Organic DNA extraction using phenol/chloroform Microcon purification Genra Extraction Qiagen Extraction Promega DNAIQ Extraction
DNA Quantitation	EXT-3007 EXT-3013	Extracted DNA	Automated and Manual Spectrophotometry (Optical Density or Fluorescence) using Pico Green or Oli Green Real Time PCR on Applied Biosystems 7900 or 7000 instruments using Quantifiler.

Technology	Methods Used	Product Types	Remarks
PCR Amplification	PCR-2001, PCR-3105, PCR-3106, PCR-3107, PCR-3122, PCR-3123, PCR-3124, PCR-3125, PCR-3140, PCR-3145, PCR-3150, PCR-3160, PCR-3220, PCR-3221, PCR-3310, PCR-3311, PCR-3312, PCR-3405, PCR-3406, PCR-3407, PCR-3408, PCR-3409	Amplified DNA	Automated and Manual DNA amplification utilizing Applied Biosystems or Promega Human Identity STR kits. DNA Sequencing utilizing Big Dye Terminator Y-Chromosome STRs using Applied Biosystems Yfiler or home brew PCR Panels. PCR Cleanup using ExoSAP. Sequencing Cleaning using CleanSEQ.
Electrophoresis Fragment Analysis Sequencing SNP	PCR-3103 PCR-3104 PCR-3203	Sequencing, Autosomal and Y Chromosome Short Tandem Repeats, TaqMan, SNPlex	Electrophoresis of Amplified DNA on the AB 3730(xl) and/or 3130(xl).
Data Analysis Relationship Genetic Ancestry	AYS-3000, AYS-3001, AYS-3003, AYS-3004, AYS-3005, AYS-3006, AYS-3007, AYS-3009, AYS-3110, AYS-3111, AYS-3112, AYS-3113, AYS-3200	Parentage, Cousinship, Siblingship, Avuncular, Grandparentage, Maternal Ancestry, Paternal Ancestry	Data Analysis utilizing custom and off the shelf software: Brenner-DNA View, Applied Biosystems-GeneMapper, GeneScan, Genotyper, Sequencing Analysis, SDS GeneCodes-Sequencher
DNA Banking	ACC-3008	DNA and tissue storage	Extracted DNA (-80 C, -20 C, 4C) Biological tissue (-80 C, -20 C, 4 C, Room Temperature) DNA on FTA Card Blood on FTA Card Biological tissue on FTA Card

**Notes:**

1. This laboratory offers commercial DNA testing services.
2. Identigene LLC is a sales and marketing organization specializing in human relationship analysis and is wholly owned by Sorenson Genomics LLC. Sorenson Genomics LLC provides laboratory services and genetic data analysis to Identigene LLC.
3. DNA Worldwide Group Ltd. is a business partner of Sorenson Genomics LLC.

Approved by:  Date: March 6, 2009

**R. Douglas Leonard**  
Chief Technical Officer

Issued: 3/6/09