Distribution of DQA1, Polymarkers, D1S80 and D5S818, D13S317, D7S820, D16S539, vWA, TH01, TPOX, and CSF1PO loci in Saudi Arabian Population

Sudhir Sinha, Ph.D.¹, Usman Tahir², Carol Rogers, M.S.³, Ann Montgomery¹, Nahdh Al-Nahedh Kubidan⁴, Bruce Budowle, Ph.D.⁵ and Mohammed A. Tahir, Ph.D.²

¹ ReliaGene Technologies, Inc., New Orleans, 5525 Mounes Street, New Orleans, LA 70123
² IMC Forensic Services Agency, 40 S. Alabama Street, Indianapolis, IN 46204
³ University of Strathclyde, Glasgow, United Kingdom
⁴ Institute of Criminal Evidence, P.O.Box 22511, Riyadh, Saudi Arabia 11416
⁵ FBI Academy, Quantico, VA

Blood samples from more than 200 Saudi Arabians residing in Riyadh area were collected. Blood saturated cotton swatches from these individuals were air dried at room temperature, packaged in paper envelopes and stored frozen till analysis. DNA was extracted by organic (phenol/chloroform/isoamyl alcohol) method. Following quantitation DNA was subjected to DQA1, Polymarkers, D1S80 and D5S818, D13S317, D7S820, D16S539, vWA, TH01, TPOX and CSF1PO loci analysis. No significant deviation from Hardy-Weinberg equilibrium in these samples was observed.