

GENESyS DNA CROSS-REACTIVITY TEST REPORT
父女血緣報告範本

Patient Name:	Hospital ID:
DOB:	Referring Physician:
Date Collected: 2024/	Specimen: Finger Touch DNA
Date Received: 2024/	Patient ID: HLA

Child Name:
Specimen Type: Finger Touch DNA
DOB:

Purpose: To exclude or support the kinship assertion between the subjects

COEFFICIENT OF RELATIONSHIP (R value)

R value	Father	Daughter
Father	100%	50%
Daughter	52%	100%

RESULTS

THE RESULTS OF THE DNA CROSS-REACTIVITY TEST PROVIDE EVIDENCE SUPPORTING THE ASSERTION THAT THE ALLEGED DAUGHTER IS BIOLOGICALLY RELATED TO THE FATHER BY FIRST-DEGREE GENETIC KINSHIP.

本次 DNA 檢測結果提供足夠證據，支持受檢者與女兒之間的血緣關係。針對人類 DNA 全基因組 300 萬個 SNP 位點直接雜交，讓受檢者之 DNA 互相配對，本檢測結果與父女關係判斷並無矛盾。親子關係確定率(pp) = 99.9999%

INTERPRETATION

Given the constraints of this technology, the level of DNA cross-reactivity observed between the patient and the alleged child aligns with the biological kinship claim between them. Since the coefficient of relationship for a parent and child is theoretically 50%, the R value between the alleged child and the patient strongly supports the assertion of a first-degree kinship relationship, with a certainty exceeding 99.9999%.

RECOMMENDATION

Since the test results strongly support the kinship assertion between the subjects, further analysis is not recommended.

Comments

All humans inherit half of their genome from their mother and the other half from their father. A biological offspring is expected to share half of their genome DNA with one of their direct predecessors. The degree of genome shared by two individuals indicates the fraction of homozygosity. As a practical definition, DNA cross-reactivity can be utilized to ascertain the amount of DNA shared between two distinct genomes. Therefore, the coefficient of relationship (R value) derived from the GeneSys test directly correlates with the degree of genetic consanguinity.

GeneSys is the Vigene Lab's trade name for BLiCH based genetic analysis.

備註：本報告僅供個人諮詢

Sign: BING LING, MD

Date: 2024 / /