

GENESyS DNA CROSS-REACTIVITY TEST REPORT
姊弟全手足報告範本

Patient Name:	Hospital ID:
DOB:	Referring Physician:
Date Collected: 2018//	Specimen: Touch Exosome DNA
Date Received: 2018//	Patient ID: HLA#####

Child Name:
Specimen Type: Touch Exosome DNA
DOB:

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

COEFFICIENT OF RELATIONSHIP (R value)

R value	Elder Sister	Brother
Elder Sister	100%	58%
Brother	60%	100%

RESULTS

THE RESULTS OF THE DNA CROSS-REACTIVITY TEST PROVIDE EVIDENCE TO SUPPORT THE ASSERTION THAT THE ALLEGED BROTHER IS BIOLOGICALLY RELATED TO THE PATIENT BY FIRST-DEGREE GENETIC KINSHIP.

本次 DNA 檢測結果提供足夠證據，支持兩位受檢者之間的血緣關係。針對人類 DNA 全基因組 30 億個鹼基直接雜交，讓受檢者之 DNA 互相配對，本檢測結果顯示兩位受檢者源自於同父同母之血緣關係。血緣關係確定率 (pp)=99.9999%

INTERPRETATION

Within the limitation of this technology, the extent of DNA cross-reactivity between the patient and the alleged brother are compatible with the biological kinship assertion between the subjects. Since the coefficient of relationship between full-blood siblings has a theoretic value of 50%, the test results between the patient and the brother support the assertion of first-degree kinship relationship with greater than 99.9999% certainty.

RECOMMENDATION

Since this test results strongly support the kinship assertion between the subjects, no further analysis is recommended.

Comments

All humans inherit 1/2 of their genome from their mother and the other 1/2 from their father. A biological offspring should share half of his/her genome DNA with one of the direct predecessors. The amount of genome shared by two individuals is an indicator of fraction of homozygous. As a working definition, the DNA cross-reactivity can be used to determine the amount of DNA shared between two discrete genomes. Thus, the coefficient of relationship (R value) obtained in the GeneSys test correlates directly to the extent 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，不得作為法律用途

Sign: BING LING, MD

Date: 2018//