

GENESyS PATERNITY TEST REPORT

祖孫受檢報告範本

Patient Name:	Hospital ID:
DOB:	Referring Physician:
Date Collected:	Specimen: Touch Exosome DNA
Date Received:	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)

DNA Cross reactivity	Grand Mother	Grandson
Grand Mother	100%	24%
Grandson	22%	100%

RESULTS

THE RESULTS OF THE DNA CROSS-REACTIVITY TEST PROVIDE EVIDENCE TO SUPPORT THE ASSERTION THAT THE ALLEGED GRANDSON IS BIOLOGICALLY RELATED TO THE GRAND MOTHER BY SECOND-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，本檢測結果與祖母 / 孫子關係判斷並無矛盾。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 child are compatible with the biological kinship assertion between the subjects. Since the coefficient of relationship for a grandparent and grandchild has a theoretic value of 0.25, the DNA cross-reactivity between the alleged child and the patient supports the assertion of second-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 Mother. A biological offspring should thus share half of his genome DNA with one of its 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 of two persons can be used to determine the amount of shared DNA within two people's genome. Thus, the extent of DNA cross-reactivity correlates directly to the coefficient of relationship and the 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: 2022/ /