

GENESyS DNA CROSS-REACTIVITY TEST REPORT

父親 / 母親 / 兒子三人報告範本

Patient Name: 父	Hospital ID:
Patient Name: 母	
DOB:	DOB:
Date Collected: 2021//	護照號碼:
Date Received: 2021//	Specimen: Touch Exosome DNA
	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	Father	Mother	Son
Father	100%	0%	50%
Mother	0%	100%	48%
Son	52%	50%	100%

RESULTS

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

本次 DNA 檢測結果提供足夠證據，支持兩位受檢者與兒子之間的血緣關係。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，本檢測結果與母子 / 父子關係判斷並無矛盾。親子關係確定率(pp) = 99.9999%

INTERPRETATION

Within the limitation of this technology, the extent of DNA cross-reactivity between the patients and the alleged child are compatible with the biological kinship assertion between the subjects. Since the coefficient of relationship for a parent and child has a theoretic value of 0.5, the R values between the alleged child and the patients support the assertion of first-degree kinship relationship with greater than 99.9999% certainty.

RECOMMENDATION

Since this test results support the kinship assertion between the subjects, further analysis is NOT 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 homozygosity. 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: 2021//