

STR Authentication Report For Cell Line

O) UBIGENE

1. Cell Name: Caov-3

2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified

using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were

	Genotype	analysis resu	Its of STR and	Amelogenin l	oci in cells 🔍	
STR Loci	STR profile for Sample cell Cell name: Caov-3			STR profile for Cell Bank cell Cell name: Caov-3		
	D5S818	12	12	BIC	12	12
D13S317	12	12		12	12	_
D7S820	10	10		10	10	BIGE
D16S539	9	9		9	9 6	
VWA	16	18		16	18	
TH01	GE 7	7		7	7	
AMEL	Х	х		х	Х	
ТРОХ	8	10		8	10	
CSF1PO	10	13	- BIC	10	13	

Note: The above figure shows the comparison results of nine genotype loci for detecting cells and cells from the cell bank.

4. Conclusion: The STR results of Caov-3 cells are consistent with the genotypes of Caov-3 cell lines in **DSMZ** database, the cell ID corresponded to **HTB-75**, and the STR results completely matched. In the test, No multi allele was found in this cell line.

Gene-editing cell lines | CRISPR Library Microorganisms | EZ-editor™ series products

5. Attached Image

AB Applied Biosystems 20240412 GeneMapper ID v3.2 Sample File Sample Name Panel SQO os SQ 29_E04_CellLineAuthentication-1-1012.fsa 20211008D07 21Plex_STR_Panel_v1.1 D3S1358 D7S820 CSF1PO vWA Penta E Γ BIGENE 120 200 280 360 440 520 4200 2800 1400 16 16 10 10 11 15 18 13 29_E04_CellLineAuthentication-1-1012.fsa 20211008D07 21Plex_STR_Panel_v1.1 D21S11 D8S1179 D16S539 D2S1338 Penta D 120 200 520 280 360 440 1200 800 400 0 9 12 14 30 16 17 29_E04_CellLineAuthentication-1-1012.fsa 20211008D07 21Plex_STR_Panel_v1.1 D13S317 D19S433 D18S51 D6S1043 TH01 TPOX 520 200 280 120 360 440 1200 800 400 8 12 14 7 12 18 10 29_E04_CellLineAuthentication-1-1012.fsa 20211008D07 21Plex_STR_Panel_v1.1 ... D1S1656 D5S818 D12S391 FGA 200 360 440 520 120 280 2100 BIGENE 1400 700 12 15 Х 11 23 24 Apr 12,2024 09:30AM, PDT Printed by: gmid Page 1 of 1