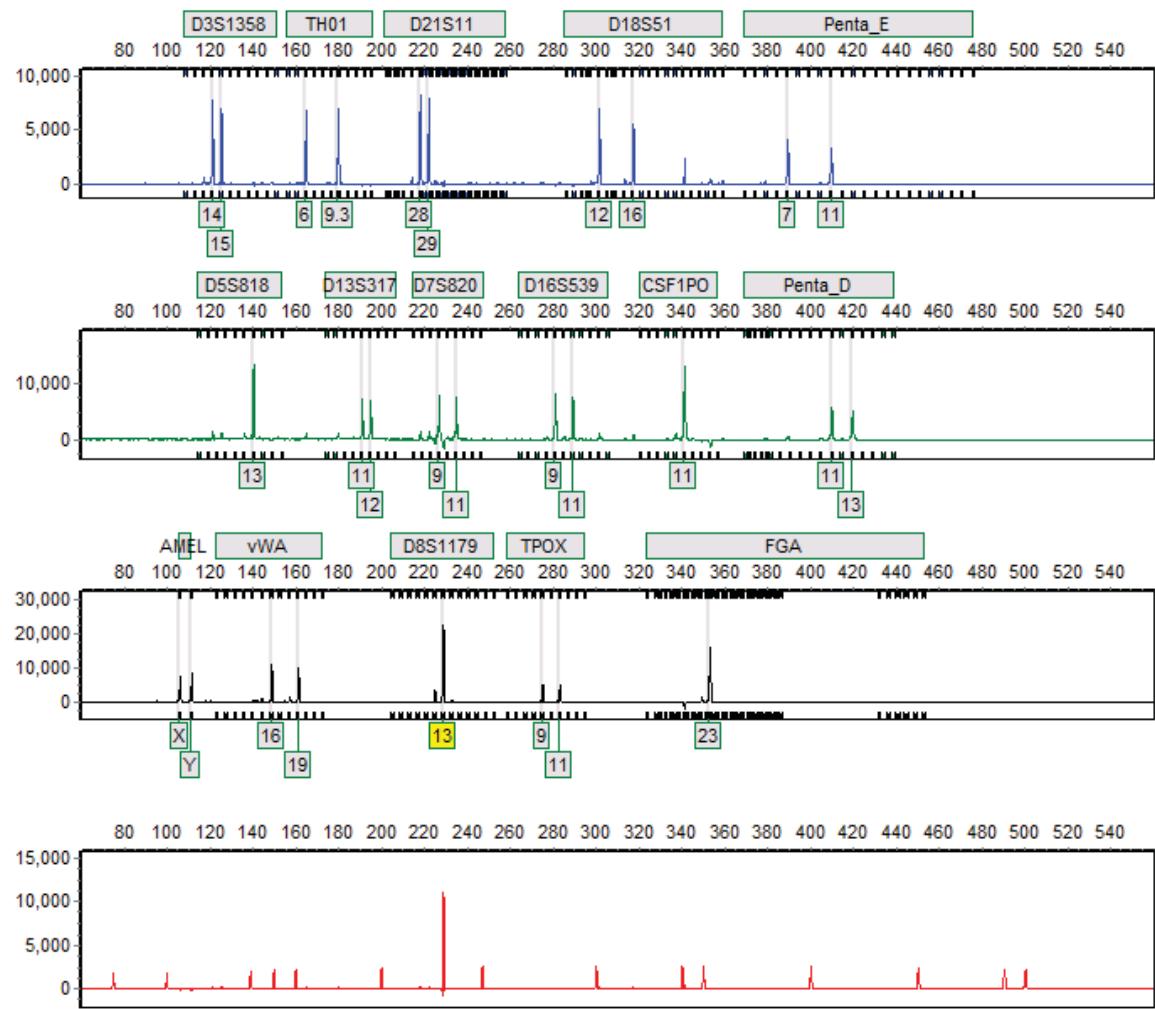


Sample 1: ARPE19\_P15.fsa



# Allele Report

Software Package: SoftGenetics GeneMarker 1.85

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Panel: PowerPlex\_16\_5Nov142UAGC

Size: GS500 x35 x50 x250

Analysis Type: Fragment (Animal)

Report Style: Marker Table

	D3S1358		TH01		D21S11		D18S51		Penta_E	
ARPE19_P15	14	15	6	9.3	28	29	12	16	7	11
2800	17	18	6	9.3	29	31.2	16	18	7	14
H2O										

	D5S818		D13S317		D7S820		D16S539		CSF1PO		Penta_D	
ARPE19_P15	13	13	11	12	9	11	9	11	11	11	11	13
2800	12	12	9	11	8	11	9	13	12	12	12	13
H2O												

	AMEL		vWA		D8S1179		TPOX		FGA		Call
ARPE19_P15	X	Y	16	19	13	13	9	11	23	23	no contamination
2800	X	Y	16	19	14	15	11	11	20	23	positive control pass
H2O											negative control pass

Notes: Sample matches ATCC ARPE-19 cell line above the 80% match threshold. This is considered a match to ARPE-19 (DSMZ).

## CERTIFICATE OF ANALYSIS

Product Code: 00194987  
Product: H-RPE - Human Retinal  
Pigment Epithelial Cells

Lot Number: 0000465423  
Manufacture Date: 09-Mar-2015

### TEST (Method)

### SPECIFICATIONS

	Min.	Max.	Results
Tissue Acquisition Number	***	***	28593
VIRUS TESTING			
HIV Test	***	***	Not Detected
HBV Test	***	***	Not Detected
HCV Test	***	***	Not Detected
MICROBIAL TESTING			
Sterility Test	***	***	Negative
Mycoplasma	***	***	Negative
CELL PERFORMANCE TESTING			
Cell Passage Frozen			2.00
Viability	>=70%	***	91 %
Cell Count (Cells/ml)	>= 500,000	***	700500
Total Population Doublings	>=5 at P2 from cryo	***	7
Seeding Efficiency	>=40%	***	108 %
Average Doubling Time	For Information Only	***	48 hrs
Pan-Cytokeratin Immunostaining	>=90%	***	95 %
Anti-Fibroblast Staining	***	<=10% Positive	0 %
ZO-1 Staining	Positive	***	Positive

These cells were isolated from donated human tissue after obtaining permission for their use in research applications by informed consent or legal authorization.  
This product is for research use only. Details concerning the use of our cell and media products can be downloaded from our website at [www.lonza.com/cell-protocols](http://www.lonza.com/cell-protocols).

This lot has been reviewed by Quality Assurance in compliance with requirements of Lonza's Quality System.  
This document was generated from a validated Part 11-compliant electronic system and thus handwritten signatures are not required.