Certificate of Analysis

Product	Human Dermal Fibroblasts (hDFB)
Passage Number	2
Cytion® Number	300606
Lot Number	300606-061224P2
Cell concentration; volume	1.0 million/vial
Date of manufacture	9/2024
Donor information	Normal male donor
Donor age	50 years old
Cell culture karyoptype	46,XY

The following test specifications have been met for this product lot:

Test description	Test Method	Test Specification	Result
Cell Viability post-thaw	Trypan Blue dye exclusion test, automated cell counter	>85-90% viable cells	Pass
Recommended cell plating density	Cell cultivation	1-3x10^3 cells/cm²	Pass
Morphology	Microscopic examination	Spindle-shaped, fibroblast-like for at least 5 passages	Pass
Sterility	Bacterial and fungal contamination: inoculation and culture in blood agar, thioglycollate broth, trypticase soy broth and sabouraud dextrose agar plates	No microorganisms' growth observed	Pass
	Exogenous viruses and microorganisms contamination:	HBV, HCV, HSV1, HSV2, CMV, EBV, HHV6, Toxoplasma gondii, Treponema pallidum, Chlamydia trachomatis, Ureaplasma urealyticum, Ureaplasma parvum, all negative	Pass
Mycoplasma	Mycoplasma specific PCR	Negative	Pass
Donor infectious screening results; plasma	IFA	HBsAg	Pass
	PCR	HBV	
	IFA	HCV	
	IFA	HIV-1/2	

	WR	Treponema pallidum all negative	
Cell type identity	FACS analysis	$CD73^+$, $CD90^+$, $CD105^+$ $CD14^-$, $CD34^-$, $CD45^-$, $HLA\text{-}DR^-$ and combinations $CD45^-CD34^-$; $CD90^+73^+$; $CD90^+73^+105^+$; $CD90hi73^-$; $CD90hi105^-$; $CD90^-low73^+$; $CD90^-/low105^+$	Pass
Multilineage differentiation capability	Differentiation media	Alizarin Red S positive Oil Red O positive	Pass

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