

<b>Product</b>	Human Gingival Fibroblasts
<b>Passage Number</b>	2
<b>Cytion® Number</b>	300703
<b>Lot Number</b>	300703-251124P2
<b>Cell concentration; volume</b>	0.5 million/vial
<b>Date of manufacture</b>	11/2024
<b>Donor information</b>	Normal male donor
<b>Donor age</b>	41 years old
<b>Cell culture karyotype</b>	N/A

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 <sup>3</sup> cells/cm <sup>2</sup>	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

# Certificate of Analysis



Donor infectious screening results; plasma	PCR PCR IFA WR	HBV HCV HIV-1/2 Treponema pallidum all negative	Pass
Cell type identity	FACS analysis	CD73 <sup>+</sup> , CD90 <sup>+</sup> , CD105 <sup>+</sup> , CD271 <sup>+</sup> CD14 <sup>-</sup> , CD34 <sup>-</sup> , CD45 <sup>-</sup> , HLA-DR <sup>-</sup> and combinations CD90 <sup>+</sup> 73 <sup>+</sup> ; CD90 <sup>+</sup> 73 <sup>+</sup> 105 <sup>+</sup>	Pass
Multilineage differentiation capability	Differentiation media	Alizarin Red S positive Oil Red O positive	Pass

For research use only. Not approved for human or animal diagnostic or therapeutic procedures. Not for consumption. Manufactured in Germany. Cryovials are manufactured under our ISO 9001:2015 certified Quality Management System.

*Dr. Rosemarie Steubing*

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