

Product Description

The salivary gland produces enzyme-containing saliva to lubricate the oral cavity and assist with digestion. It consists of three pairs of major salivary glands and many minor ones in the oral cavity [1]. Histology studies show that the salivary gland is a compound tubuloalveolar gland, surrounded by connective tissue to further divide the gland into lobes and lobules. The secretory end pieces consist of a spherical mass of cells called acinus. Mouse salivary gland fibroblasts (MSGF) are embryonic mesoderm derived mesenchymal cells and they are responsible for synthesis of extracellular matrix such as type I and/or type III collagen [2]. MSGF are very versatile and provide a useful tool for studying collagenous fibroma and oral neoplasms [3].

iXCells Biotechnologies provides high quality Mouse Salivary Gland Fibroblasts (MSGF), which are isolated from postnatal day 2 C57BL/6 mouse salivary gland and cryopreserved at P1, with >0.5 million cells in each vial. MSGF express fibronectin and are negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast, and fungi. They can further expand for 5 population doublings in Fibroblast Growth Medium (Cat# MD-0011) under the condition suggested by iXCells Biotechnologies.

Product Details

Tissue	Postnatal day 2 mouse salivary gland (strain C57BL/6)
Package Size	0.5 million cells/vial
Passage Number	P1
Shipped	Cryopreserved
Storage	Liquid nitrogen
Growth Properties	Adherent
Media	Fibroblast Growth Medium (Cat# MD-0011)

References

- [1] Baker OJ. (2010) "Tight junctions in salivary epithelium." J Biomed Biotechnol. 2010: 278948.
 [2] Gabbiani G, Rungger-Brandle E. (1981) "The fibroblast." In Glynn LE, Handbook of Inflammation, Vol. 3: Tissue Repair and Regeneration (pp 1-50). Amsterdam: Elsevier.
 [3] Ide F, Shimoyama T, Horie N, Tanaka H. (1999) "Collagenous fibroma (desmoplastic fibroblastoma) presenting as a parotid mass." J Oral Pathol Med. 28: 465-8.

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura,
 Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: customerservice@lifetechindia.com

Web: www.lifetechindia.com