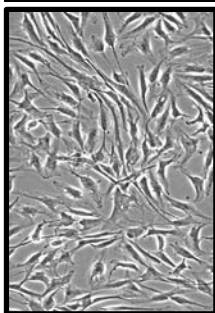


CARDIAC INNOPROFILE™ IMMORTALIZED HUMAN CARDIAC FIBROBLASTS



Product Type:	Immortalized Human Cardiac Fibroblasts
Catalog Number:	P10453-IM
Immortalization:	SV40 Large T Antigen
Number of cells:	> 1 x10 ⁶ cells in Cryopreserved vials
Storage:	Liquid Nitrogen

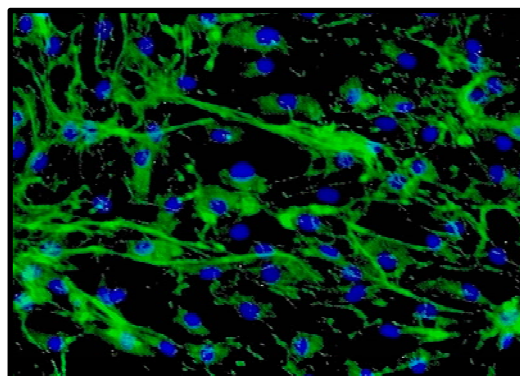
P10453-IM have been obtained immortalizing Human Primary Cardiac Fibroblasts with Lenti-SV40 Lentivirus. Immortalized cells were controlled passaging side by side with the primary cells. Primary cells go into senescence after the 3rd passage while the SV40-transduced cells go beyond 30 passages.

The cardiac fibroblasts (CF) are the principal cell type of the heart. They provide structural support for cardiac myocytes and are responsible for extracellular matrix synthesis in the heart during growth and pathophysiological conditions. CF are an important cellular component of myocardial responses to injury and the source of paracrine growth factors. Their proliferation and synthesis of matrix is essential for scar formation at sites of myocardial infarction, cardiac fibrosis, and is often complicated by cardiac hypertrophy. CF culture has been widely used as a model to study the cardiac matrix remodeled by physiological (exercise) and pathological (hypertension) stressors.

Recommended Medium

Fibroblast Medium-2 (Ref: P60166)

- Ref: P60166



The cells test negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast and fungi

Product Use

Sale of this item is subjected to the completion of a Material Transfer Agreement (MTA) by the purchasing individual/institution for each order. If you have any questions regarding this, please contact us at innoprot@innoprot.com