

ISOLATION OF CARDIAC STEM/PROGENITOR CELLS EXPRESSING ISLET-1

Tech ID: 23647 / UC Case 2014-069-0

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	9,492,484	11/15/2016	2014-069

BRIEF DESCRIPTION

According to the American Heart Association, an estimated 82.4 million American live with one or more types of cardiovascular disease. Annually, about 2.7% of Americans suffer a myocardial infarction (heart attack). Patients who survive acute myocardial infarction continue to suffer from loss of cardiomyocytes, cardiac scar formation, ventricular remodeling, and in most cases, eventual heart failure.

UC Berkeley researchers have discovered that a small population of cells in the adult heart have the capacity to self-renew and to differentiate into one or more cell types of the heart.

SUGGESTED USES

- » treating cardiovascular disease by repair or regenerating of injured cardiac tissue.

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- ▶ Universal Coating Compound
- ▶ Growth Factor Sequestering and Presenting Hydrogels
- ▶ Formation Of Porous Scaffolds Of Growth Factor Sequestering Hydrogels By Cryogelation
- ▶ Bioinspired Hydrogels for the Treatment of Volumetric Muscle Loss Injury

CONTACT

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INVENTORS

- » Healy, Kevin E.

OTHER INFORMATION

CATEGORIZED AS

- » **Medical**
- » Disease: Cardiovascular and Circulatory System

RELATED CASES

2014-069-0