

Calcium handling in hiPSC-derived cardiomyocytes

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Abstrak

Calcium is crucial in governing contractile activities of myofilaments in cardiomyocytes, any defects in calcium homeostasis of the cells would adversely affect heart pumping action. The characterization of calcium handling properties in human induced pluripotent stem cell-derived cardiomyocytes (iPS-CMCs) is of significant interest and pertinent to the stem cell and cardiac regenerative field because of their potential patient-specific therapeutic use.