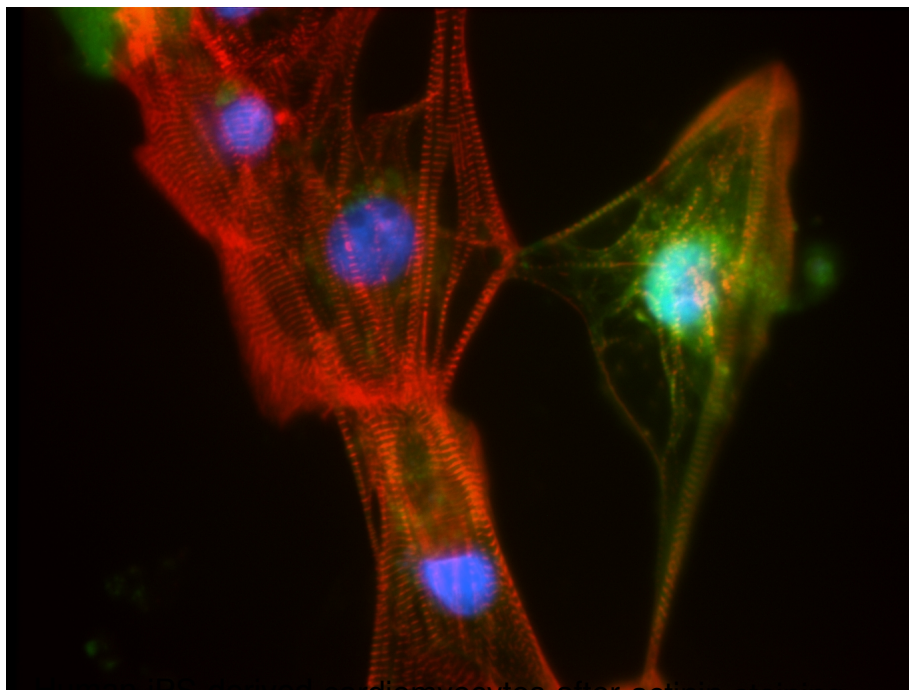


Human Cor.4U® Mel.Cor® is an *in vitro* and non-invasive assay system to monitor human cardiomyocytes by means of extracellular field potential recordings from microelectrode arrays (MEA).

The Cor.4U® human cardiomyocytes reveal electrophysiological properties typical for human cardiac functional Na⁺, Ca²⁺, and K⁺ voltage-gated ion channels including the hERG channel and their correct modulation through e.g. β-adrenergic or muscarinic receptors.

The combination of the Cor.4U® human cardiomyocytes with the Mel.Cor® MEA assay provides an ideal tool to assess pharmacological, safety pharmacological and toxicological effects of drug candidates on human cardiomyocytes.



Human iPS-derived cardiomyocytes after actinin staining.
