CMPortal Cell Maturity Benchmarking Form

Please input your experimental values for comparison with the database.
Use only single values (no SD), e.g. the mean or one measurement. Ensure units match.
This file is available at palpantlab.com/cmportal. It needs to be uploaded with the protocol PDF file.

Protocol Information

Protocol Name:

Cardiomyocyte Maturity Parameters
- Enter numbers in standard notation, e.g. **5, 0.1**, **0.0023**
- Skip the field if a measurement is not available.

Sarcomere Length (um)

Cell Area (um²)

T-tubule Structure (Found) - fill in **1** for an observation, or **0** for none

Contractile Force (mN)

Contractile Stress (mN/mm²)

Contraction Upstroke Velocity (um/s)

Calcium Flux Amplitude (F/F0)

Time to Calcium Flux Peak (ms)

Time from Calcium Peak to Relaxation (ms)

Conduction Velocity from Calcium Imaging (cm/s)

Action Potential Conduction Velocity (cm/s)

Action Potential Amplitude (mV)

Resting Membrane Potential (mV)

Beat Rate (bpm)

Max Capture Rate of Paced CMs (Hz)

MYH7 Percentage (MYH7 / (MYH7 + MYH6))

MYL2 Percentage (MYL2 / (MYL2 + MYL7))

TNNI3 Percentage (TNNI3 / (TNNI3 + TNNI1))