

# Maestro Cardiac Field Potential Report



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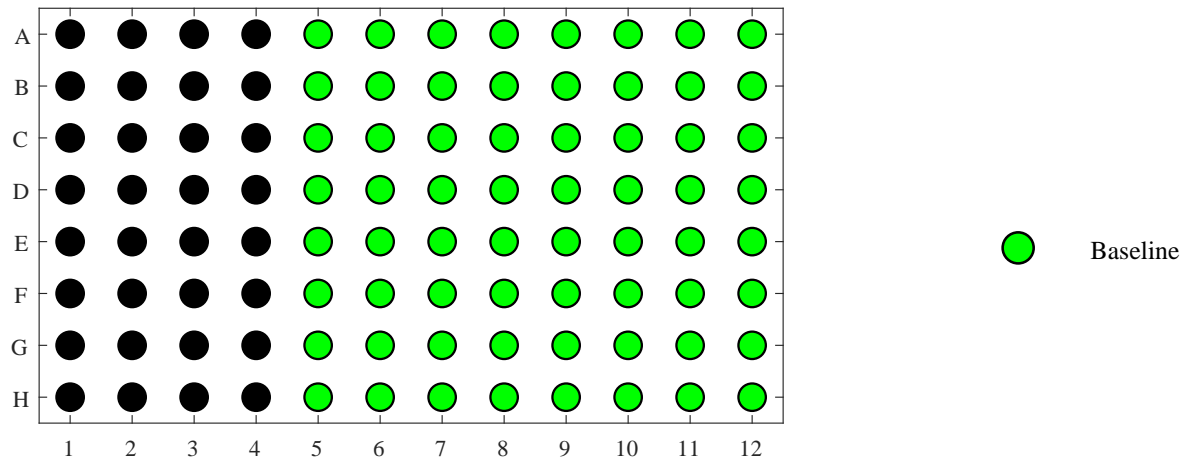
Cardiac Analysis Tool 3.3.0

06-Sep-2023

## Table of Contents

<a href="#">Chapter 1. Experiment Information</a>	1
<a href="#">Chapter 2. Baseline Well-to-Well Reliability</a>	3
<a href="#">2.1. Figures</a>	3
<a href="#">2.2. Quality control outliers</a>	4
<a href="#">Chapter 3. Baseline</a>	5
<a href="#">3.1. Field Potential Dose Responses</a>	5

# Chapter 1. Experiment Information



Experiment Date	8-21-2023
Investigator	RvH
Description	Goal: Perform small drug plate test Protocol: 2 minutes recording at baseline, followed by drug addition, 10 minute wait and 2 min recording Temperature: 37 degrees and 5% CO2 Mounting strategy: Fibronectin
File Path	C:\Users\ruben.vanhelden\OneDrive - HeartBeat.bio AG\MEA\230817_Drug_test\111-8253\Export1\
Baseline File	Batch_230818_RvH23D002_MEA_drug_test_D30(001)(000).raw

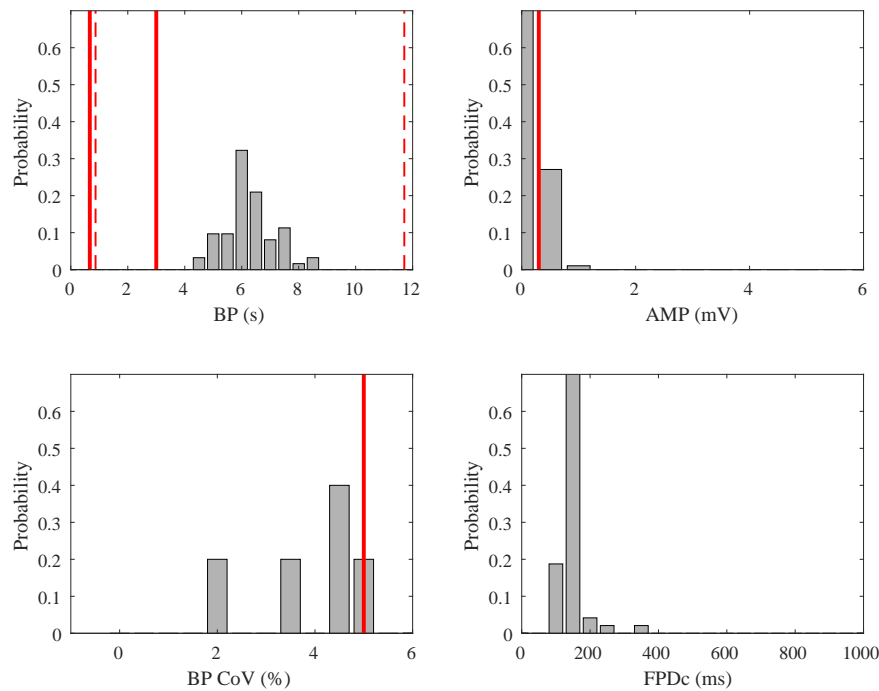
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# Chapter 2. Baseline Well-to-Well Reliability

## 2.1. Figures

These figures present the histogram across wells for Beat Period (BP), Beat Period Coefficient of Variation (BP CoV), Spike Amplitude (AMP) and Fridericia Rate-corrected Field Potential Duration (FPDc) at Baseline. Red lines indicate absolute cut-offs for HESI defined CiPA Phase II inclusion criteria, and dashed red lines indicate cut-offs relative to the mean and standard deviation of the data set. Wells that fail these criteria are listed in the section below.



## 2.2. Quality control outliers

Wells listed below fail the HESI CiPA Phase II protocol inclusion criteria.

### **Beat period exceptions (> 1.5 Hz or < 0.3 Hz):**

A5, A6, A7, A8, A9, A10, A11, A12, B5, B7, B8, B9, B10, B11, B12, C5, C6, C7, C8, C9, C10, C11, C12, D5, D6, D7, D8, D9, D10, D11, D12, E5, E6, E7, E8, E9, E10, E11, E12, F5, F6, F7, F8, F9, F10, F11, F12, G5, G6, G7, G8, G9, G10, G11, G12, H5, H7, H8, H9, H10, H11, H12

### **Beat period outliers (> 6 standard deviations from the mean):**

None

### **Beat period CoV exceptions (> 5%):**

A5, A6, A7, A8, A9, A10, A11, A12, B5, B7, B8, B9, B10, B11, B12, C5, C7, C8, C9, C10, C11, C12, D5, D6, D8, D9, D10, D11, D12, E5, E6, E7, E8, E9, E10, E11, E12, F5, F6, F7, F8, F9, F10, F11, F12, G6, G8, G9, G11, G12, H5, H7, H8, H9, H10, H11, H12

### **Spike amplitude exceptions (< 300 uV):**

A1, A2, A3, A4, A5, A6, A9, A11, A12, B1, B2, B3, B4, B5, B6, B7, B8, B9, B11, B12, C1, C2, C3, C4, C5, C6, C7, C9, C10, C11, C12, D1, D2, D3, D4, D5, D6, D7, D9, D10, E1, E2, E3, E4, E6, E8, E9, E10, E11, E12, F1, F2, F3, F4, F7, F9, F10, F12, G1, G2, G3, G4, G6, G7, G8, G9, G11, G12, H1, H2, H3, H4, H5, H6, H9, H12

# Chapter 3. Baseline

## 3.1. Field Potential Dose Responses

