bx555 dPCR Report

This report for experiment bx555 includes experiment data, setup data for imaging before, during, and/or after the run, errors/warnings regarding the run, the expected protocol and estimated thermocycling metrology. The report also includes any stitched images before and/or after the run. It does not include postprocessing of the images, but this report can be augmented with postprocessing data after the fact. Initial conditions for the run can be found to trace any unexpected behavior after thermocycling. This report does not include the actual thermal profile experienced by the system but is estimated based on the materials at the heater cartridge interface.

Experiment Data

Experiment data includes all information regarding the experimental setup on the instrument. This includes the experiment name, the instrument's configuration, dPCR cartridge information, as well as any excess materials used in the run.

Property	Value
Experiment Name	bx555
Protocol	Sample MW dPCR Protocol
Start Time (HH:mm:ss)	20:21:53
Start Date (MM/dd/YYYY)	12/19/2023
Projected End Time (HH:mm:ss)	23:18:53
Projected End Date (MM/dd/YYYY)	12/19/2023
Heater	A
Partition Type	Microwells
Cartridge	M2M
Cartridge Length (mm)	8.1
Cartridge Width (mm)	6
Cartridge Height (mm)	2.2
Clamp Position (s)	350000
Tray Position (s)	790000
Glass Offset (mm)	12.3
Elastomer	FFBE 3Di2bV1.0M NPF

Property	Value
Elastomer Thickness (mm)	0
Bergquist	SoftFlex (E038)
Bergquist Thickness (mm)	0
Surface Area (mm x mm)	0
Pressure (KPa)	0

Imaging Setup

Imaging setup includes all information regarding the imaging performed before, during, and after the run.

Property	Value
Image Before	Yes
Image During (FOV)	Yes
Image During Frequency (FOV)	NA
Image During (Assay)	Yes
Image During Frequency (Assay)	NA
Image During (Sample)	Yes
Image During Frequency (Sample)	1 minute
Image After	Yes
S3 Bucket Path	/home/ir/
Local Path	NA
Image in Cy5	Yes
Image in FAM	Yes
Image in HEX	Yes
Image in Atto	Yes
Image in Alexa	Yes
Image in Cy5.5	Yes
Cy5 Exposure (ms)	300000
FAM Exposure (ms)	600000
HEX Exposure (ms)	500000
Atto Exposure (ms)	NA
Alexa Exposure (ms)	NA
Cy5.5 Exposure (ms)	NA