dPCR Results

Importance 1: Required, 0: Optional

SF-RAD Field Name	Definition	Importance
qpcr_run_id	Unique identifier for the qPCR run	1
instrument_model	Maker and model of qPCR instrument used for the assay	1
instrument_serial_number	Serial number of instrument used for the assay	1
instrument_software_name	Name of software/firmware responsible for action of the instrument	1
instrument_software_version	Version of software/firmware for instrument activity	1
analysis_software_name	Software name used for performing analyses	1
analysis_software_version	Version of software used for analyses	1
plate_format	Type of plate used for assay (number of wells)	1
assay_date	Date of assay performed	1
user	User name running assay (lab name or person)	1
file_name	File (.csv or .tsv) name containing final data and calculated values	1
pcr_type	Type/molecular principle of PCR assay	1
pcr_protocol_name	Protocol name used for the experiment	1
calculation_standard	Type of log PCR standard used to calculate final counts	1
standard_vendor	Vendor from whom the calculation PCR standard was purchased	1
standard_lot	Lot number of PCR calculation standard used	1
threshold_determination	State whether final threshold was determined automatically or manually	1
extract_label	Label given to the nucleic acid produced -zz (e.g. WGXX-YYMMDD-20)	1
well_position	Position of the sample on the plate	1
volume_in_qPCR_wells	This corresponds to the volume of the diluted RNA that is put in the test well (microliters)	1
volume_used_for_reaction	Volume used to quantify target (microliters)	1
multiplexed	Indication of whether the well was a multiplexed assay of 2 or more targets	1
assay_target	Which virus is targeted by the assay?	0
passive_reference	If used, type of passive reference	1
quencher_1	Quencher number 1 used in well to slow/reduce reaction	0
quencher_2	Quencher number 1 used in well to slow/reduce reaction	0
quencher_3	Quencher number 1 used in well to slow/reduce reaction	0
quencher_4	Quencher number 1 used in well to slow/reduce reaction	0
target	Target protein in well	1
target_fluorophore	Fluorophore used to quantify target	1
target_primer_sequenceA	5' Primer sequence for target	1
target_primer_sequenceB	3' Primer sequence for target	1
target_primer_vendor	Vendor from whom the 5' and 3' target primers were purchased	1
target_primer_lot	Vendor lot number for the 5' and 3' target primers	1
standard_type	Indication of whether the well acts as a standard. If so, which type.	1
standard_count	If well is a count standard, known count value	1
cp_ul	Calculated copies per microliter of reaction, aka concentration	1
partitions_valid	Total number of partitions (droplets) tested in the run	1
partitions_positive	Number of partitions which tested positive for the target	1
partitions_negative	Number of partitions which tested negative for the target	1
Threshold	Statistical threshold calculation for positive values	0
target_indication	Indication of positive or negative result for target 1	1