

SF-RAD Metadata Specifications for:

qPCR 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	0
instrument_serial_number	Serial number of instrument used for the assay	0
instrument_software_name	Name of software/firmware responsible for action of the instrument	0
instrument_software_version	Version of software/firmware for instrument activity	0
analysis_software_name	Software name used for performing analyses	0
analysis_software_version	Version of software used for analyses	0
plate_format	Type of plate used for assay (number of wells)	0
assay_date	Date of assay performed	0
user	User name running assay (lab name or person)	0
file_name	File (.csv or .tsv) name containing final data and calculated values	0
pcr_type	Type/molecular principle of PCR assay	0
pcr_protocol_name	Protocol name used for the experiment	0
calculation_standard	Type of log PCR standard used to calculate final counts	0
standard_vendor	Vendor from whom the calculation PCR standard was purchased	0
standard_lot	Lot number of PCR calculation standard used	0
threshold_determination	State whether final threshold was determined automatically or manually	0
extract_label	Label given to the nucleic acid produced -zz (e.g. WGXX-YYMMDD-20)	0
well_position	Position of the sample on the plate	0
volume_in_qPCR_wells	This corresponds to the volume of the diluted RNA that is put in the test well (microliters)	0
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	0
assay_target	Which virus is targeted by the assay?	1
passive_reference	If used, type of passive reference	0
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	0
target_fluorophore	Fluorophore used to quantify target	0
target_primer_sequenceA	5' Primer sequence for target	0
target_primer_sequenceB	3' Primer sequence for target	0
target_primer_vendor	Vendor from whom the 5' and 3' target primers were purchased	0
target_primer_lot	Vendor lot number for the 5' and 3' target primers	0
standard_type	Indication of whether the well acts as a standard. If so, which type.	0
standard_count	If well is a count standard, known count value	0
target_cq	Calculated Cq value of target 1 based on threshold and standards	1
target_count	Calculated Count value of target 1 based on threshold and standards	1
target_indication	Indication of positive or negative result for target 1	0