

Table 14: EV-D68 2014 rRT-PCR Breakdown of Clinical Respiratory Specimens Negative for EV-D68 by EV VP1 Sequencing Assay

Species ^a	Type(s)	EV-D68 2014 rRT-PCR Results	
		# Tested	# Negative
RV-A ^b	RV-A2, A10, A16, A24, A31, A34, A40, A49, A58, A59, A67, A63, A73, A85	22	21 ^c
RV-B	RV-B4, B6, B27, B83, B48	5	5
RV-C	Types not determined	2	2
EV-B	E9, E11, CVB4	3	3
EV-A	CV-A10	1	1
Negative for Enterovirus species		21	19 ^d
Total		54	53

^a RNA extracted from clinical respiratory specimens

^b RV = rhinovirus; A species is the most abundant in humans

^c One specimen gave a positive result with the EV-D68 2014 rRT-PCR. Further analyses indicated that this specimen was a co-infection with a clear mixture of virus sequences on the sequence chromatogram. The virus identified by GenBank NT BLAST of the readable portion of the sequence was RV-A10. The Ct value for the EV-D68 2014 rRT-PCR was 31.2. Data suggests that the EV-D68 2014 rRT-PCR can detect a specific target in a co-infection.

^d Two “false positive” specimens had high EV-D68 2014 rRT-PCR Ct values (39.2 and 40.9). The fluorescent signal from these specimens demonstrated a clear sigmoid curve.

Contact Information

When questions arise in the real-time testing process, consultation is available via email. Send the AB 7500 experiment file as an attachment to LRN@cdc.gov with an explanation of what the issue is and we will get back to you with comments and suggestions.

For questions or additional information, please contact:

Laboratory Response Network Helpdesk
LRN@cdc.gov

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