

In-Vitro Antiviral Screening Report

Task Order Number:	B16
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Test Site:	USU
Investigator:	Freiberg
Test Date (m/dd/yy):	12/5/2014
Report Date (Mmm-yy):	Dec-14

Virus Screened:	Ebola virus
Virus Strain:	Zaire
Cell Line:	Vero
Vehicle:	DMSO
Drug Conc. Range:	0.032-100 µM
Control Conc. Range:	1-1000 µM
Experiment Number:	EBOV-813

Control Drug Name	Control Assay Order	Control Assay Name	EC50	EC90	CC50	SI50	SI90
Favipiravir	Secondary	Crystal violet (Virus yield reduction)/Neutral red (Toxicity)		32	>1000		>31

EC50 - compound concentration that reduces viral replication by 50%

EC90 - compound concentration that reduces viral replication by 90%

CC50 - compound concentration that reduces cell viability by 50%

SI50 - CC50/EC50

SI90 - CC50/EC90

Summary:

Moderately active: 13-000342.

Screening Results

ARB No.	Date Received m/dd/yy	Trial No	Compound Name/ID	Drug Assay Order	Drug Assay Name	EC ₅₀	EC ₉₀	CC ₅₀	SI ₅₀	SI ₉₀
13-000342	11/14/2014	1	fullerene polyaminocaproic acid	Secondary	Crystal violet (Virus yield reduction)/Neutral red (Toxicity)		8.8	>100		>11