PLATE: 1 **HCV IN VITRO ANTIVIRAL SCREEN** **DRUG: IFN alpha 2b**

LUCIFERASE-BASED ANTIVIRAL EVALUATION

Cell numbers

	1	2	3	4	5	6	7	8	9	10	11	12
A	**379868**	374102	379584	365974	367202	364934	371456					
B	378356	812572	731759	731853	960115	901135	758318	866731	872307	881948	941400	378356
C	371645		715596	749906	806145	808507						370416
D	368998		756617	840927	808507	866164						362760
E	370132		735445	886012	795842	887714						367297
F	374575		872402	807373	751608	880625						368904
G	**374575**		**804065**	**780908**	**800473**	**836863**						360019
H	**383649**	378261	377788	370416	369660	368526	364083					

BOLD- highest drug conc values shown are optical densitites

Luciferase

	1	2	3	4	5	6	7	8	9	10	11	12
A												
B												
C		24.10000	26.60000	31.00000	25.40000	31.80000					26.20000	
D		36.20000	21.10000	23.30000	30.30000	35.80000					36.10000	
E		43.20000	7.70000	10.60000	10.10000	6.80000					35.00000	
F		36.20000	2.10000	2.10000	1.80000	2.90000					40.40000	
G		51.90000	**0.60000**	**0.00000**	**0.60000**	**0.30000**					31.00000	
H												

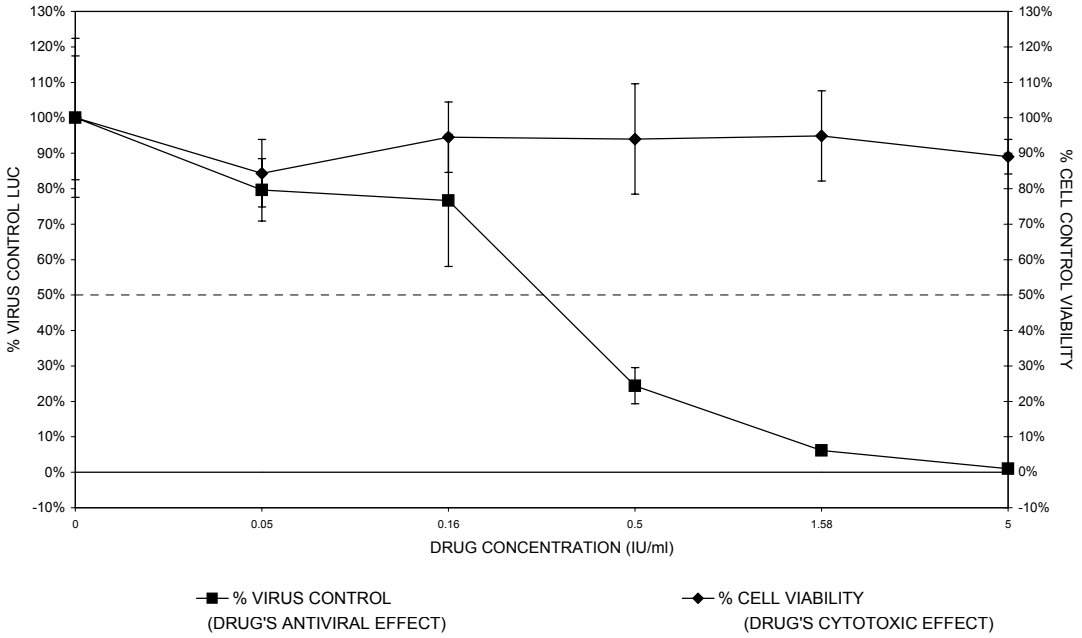
BOLD- highest drug conc values shown are luciferase luminsence

VIRUS CONTROL =	36.0300	VIRUS	HCV RNA REPLICONS	PROJECT #	---	SPONSOR	NIAID
CV VIRUS CONTROL =	22.4%	STRAIN	CON-1	PASSAGE	23	TEST DATE	3/19/2004
CELL CONTROL =	4.8E+05	CELLS	Huh-Luc/Neo ET	OPERATOR	Chunsheng	DATE READ	3/22/2004
CV CELL CONTROL =	17.5%						

Parameter	50%	90%
Cytotoxicity = IC IU/ml	> 5.000	> 5.000
Antiviral Activity = EC IU/ml	0.28	1.24
Selectivity Index = SI (IC/EC)	>17.86	>4.03

			ANTIVIRAL TEST VALUES			CYTOTOXICITY TEST VALUES		
VALUES OF COLUMNS	ROW ON PLATE	CONC. IU/ml	MEAN LUC	SD LUC	% CONTROL LUC	MEAN O.D.	SD O.D.	% CONTROL VIABILITY
		0	3.603E+01	8.081E+00	100%	4.8E+05	8.08E+00	100%
1 through 6	C	0.05	2.870E+01	3.173E+00	80%	4.0E+05	4.53E+04	84%
(left side	D	0.16	2.763E+01	6.715E+00	77%	4.5E+05	4.73E+04	94%
of plate)	E	0.50	8.800E+00	1.838E+00	24%	4.5E+05	7.42E+04	94%
	F	1.58	2.225E+00	4.717E-01	6%	4.5E+05	6.06E+04	95%
	high G	5.00	3.750E-01	2.872E-01	1%	4.2E+05	2.32E+04	89%

SUMMARY GRAPH IFN alpha 2b vs. HCV RNA REPLICONS



ACTIVITY PROFILE OF IFN alpha 2b BASED ON SELECTIVITY INDEX: **ACTIVE**