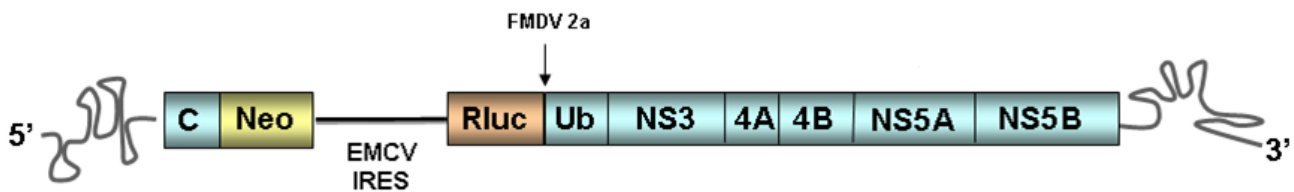




## APC143

### Huh7.5/ Con1/SG-Neo(I)hRluc2aUb

**Cell line description:** Huh7.5 cells containing Con1/SG-Neo(I)hRluc2aUb, a stable genotype 1b subgenomic replicon with an NS5A adaptive mutation, a humanized *Renilla* luciferase reporter and the FMDV2a peptide coding sequence and Ubiquitin to mediate cleavage of *Renilla* luciferase from NS3.



**Genotype:** 1b

**Strain:** Con1

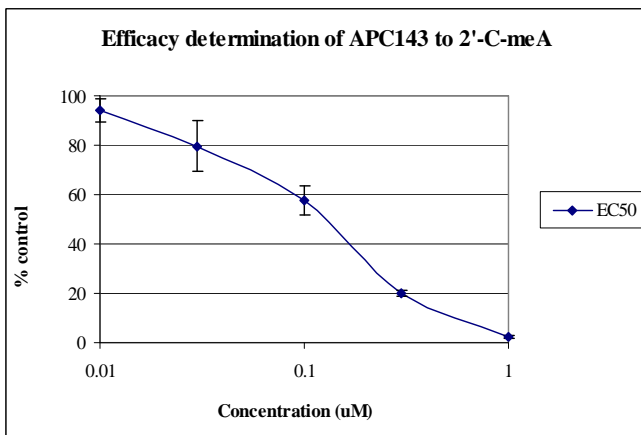
**Replicon configuration:** subgenomic

**Reporter(s):** *Renilla luciferase*

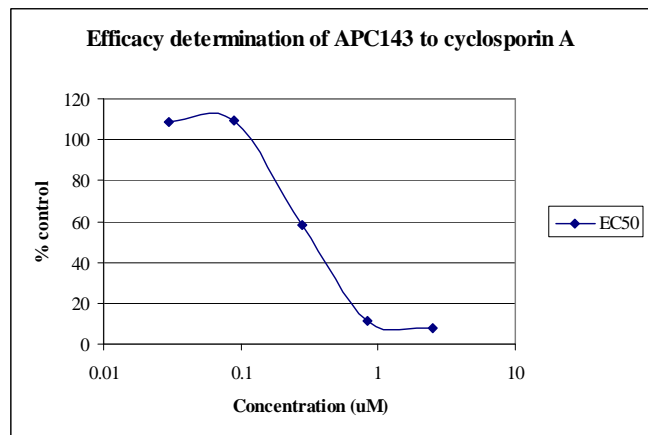
**Adaptive mutations:** in NS5A

### HCV Inhibitor Performance:

Test Article (at varying concentrations) are added to Huh7.5 cells harboring the Con1/SG-Neo(I)hRluc2aUb replicon. *Renilla* luciferase levels are quantified 48 hours after Test Article addition to determine the level of replication inhibition.



**Figure 1.** EC<sub>50</sub> determination in APC143 replicon assay in which the Test Article is 2'-C-methyl-adenosine (2'-C-meA). Cells were seeded four hours prior to addition of Test Article. The assay proceeded for 48 hours, at which time *Renilla* luciferase activity was measured. EC<sub>50</sub> = 0.088 uM.



**Figure 2.** EC<sub>50</sub> determination in APC143 replicon assay in which the Test Article is cyclosporin A. The assay was performed as described in figure 1. EC<sub>50</sub> = 0.69 uM.