

## Blue Moon Marine Botanical samples

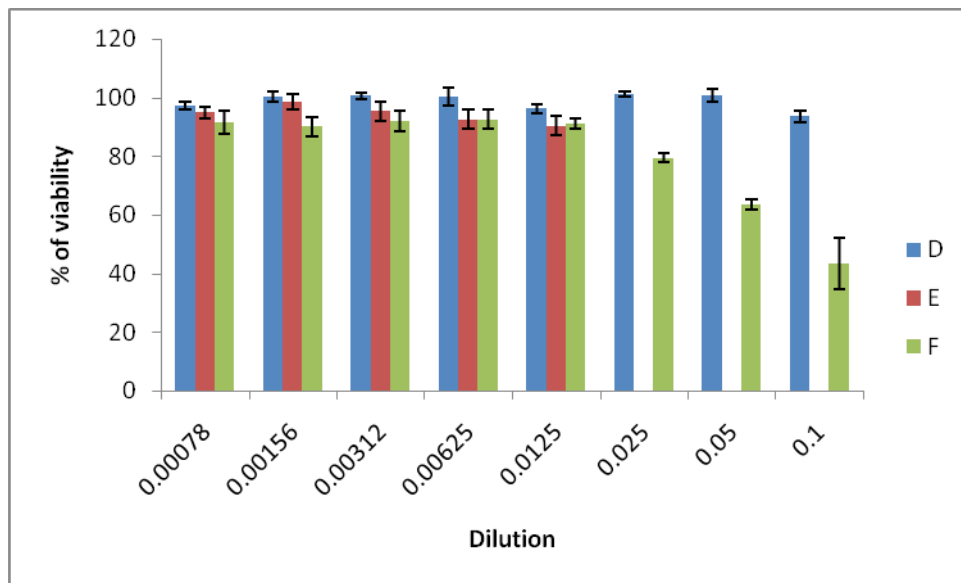
We used the XTT and the MAGI assay to study the cytotoxicity and the effect of Robin's extract on HIV-1<sub>MN</sub> and HIV-1<sub>ADA-M</sub> replication in TZMbl cells. For this purpose we used the TZMbl cells (NIH AIDS Reagent Program Cat# 3597). These cells were grown in DMEM (Invitrogen Cat# 11995-065), 10% FBS (Invitrogen Cat#16140-063) and 1% Penicillin-Streptomycin (Invitrogen cat# 15070063). The cells were seeded in 96 well flat bottom plates for cytotoxicity (VWR Cat# 62406-081) or in white opaque 96 well flat bottom (VWR Cat# 353296). We followed the procedures described in the SOPs for XTT Cytotoxicity assay and MAGI assay.

Sample D: Extract of *Constantinea rosa-marina*.

Sample E: Example of the above extract in a cream.

Sample F: This cream has a higher concentration of the extract. The extract used is made from *Neodilsea borealis*, *Constatinea rosa-marina* and *Cryptosiphonia woodii*. *Turnerella* is also incorporated.

### Cytotoxicity in TZMbl cells



Sample	TC <sub>50</sub> value (dilution)
D	>1/10
E	1/60
F	1/12

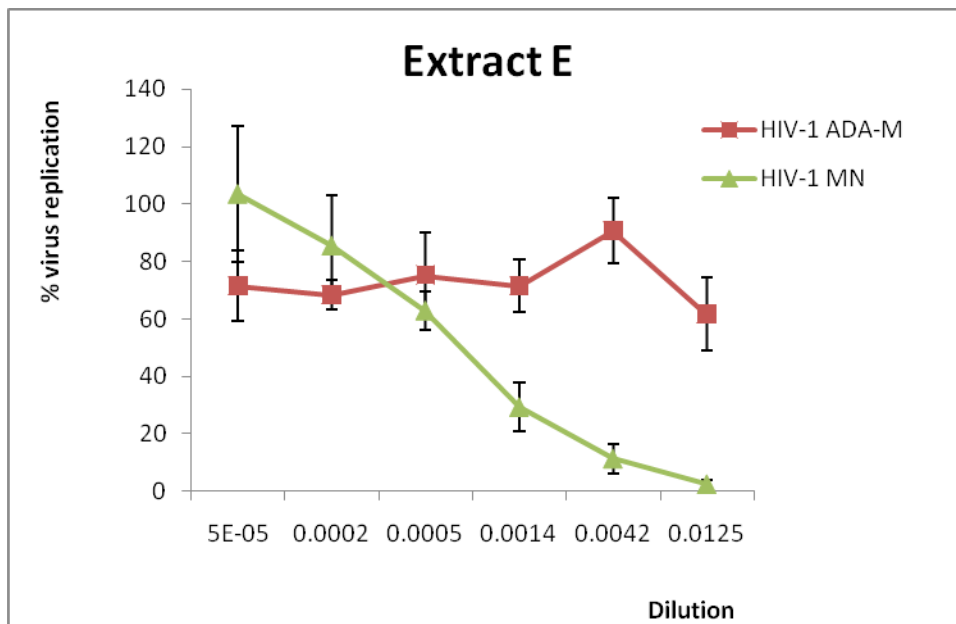
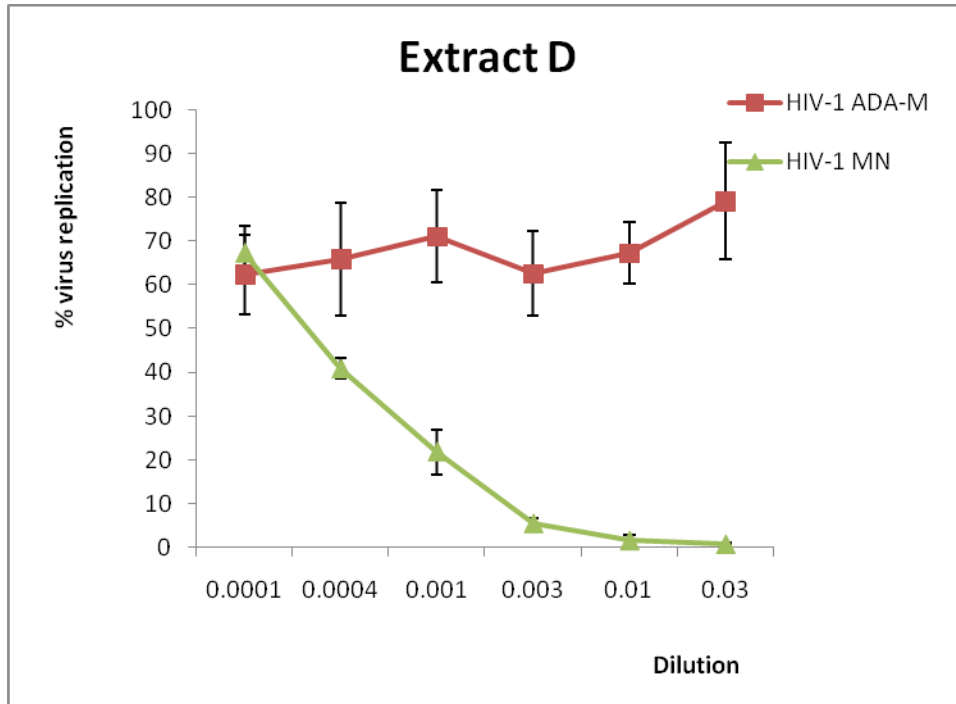
## Antiviral activity

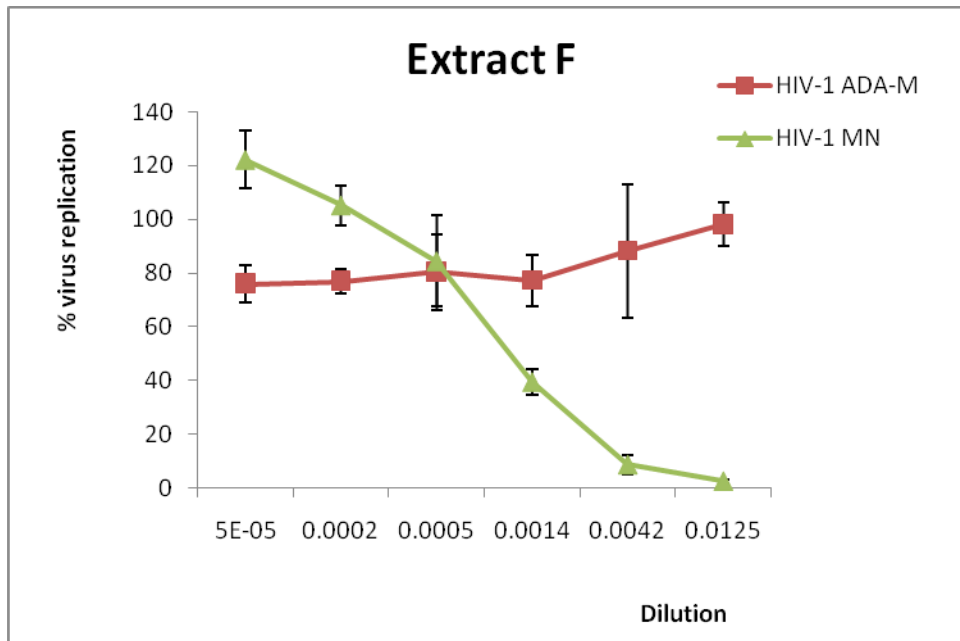
For the antiviral activity we started with the lowest dilution that has cell viability above 90%.

Viruses (We add between 100-200 infectious particles per well):

HIV-1<sub>MN</sub> CXCR4 virus Lot# P3817

HIV-1<sub>ADA-M</sub> CCR5 virus Lot# P4127





Extract	EC <sub>50</sub> value (dilution)	
	HIV-1 <sub>MN</sub>	HIV-1 <sub>ADA-M</sub>
D	1/5000	>1/10
E	1/1428	>1/80
F	1/1000	>1/80