



## Test Results

### Enterovirus

Group	Viral load (Log <sub>10</sub> TCID <sub>50</sub> )		
	1st	2nd	3rd
Virus strains	6.7	7.5	6.7
Virus strains+JM	4.5	4.3	4.7
Cell strains	None	None	None

Calculation of viral inhibitory efficacy:

Substituting the mean of the three test results obtained the following results:

$$\text{Enterovirus inhibition percentage} = [1 - 10^{-(7.0 - 4.5)}] \times 100 = \mathbf{99.68}$$

## Conclusion

The experiment results show that a 0.625% concentration of the JM nanomaterials inhibit cellular infection of enterovirus. The percentage of viral inhibition was **99.68%**.