FOOD AND DRUG SAFETY CENTER
Hatano Research Institute

Inactivity of Feline Calicivirus (substitute for Norovirus) with KECA generated water Summary

The initial virus titer was 2.0 x 10^6 TCID 50/mL. There were no changes in the virus titer after 30 seconds with (PBS).

The Log Reduction Value (LRV) using KECA generated water was more than 5.5 log 10. The value was under detection limits (6.3 TCID 50mg/L).

Table 2. The changes in Feline calicivirus infectivity titer by using the test waters

Test water	Duration of test		LVR ※
	0 (initial)	After 30 seconds	
KECA generated water	2.0x 10^6	<6.3	>5.5
PBS negative control		2.0 x 10^6	0.0

Test Reference number: 247063/24_0063
Test virus: Feline calicivirus (Substitute for Norovirus)
Infectivity titer of trial virus stock liquid: 3.5 x 10^8 TCID 50/mL
Infectivity titer unit: TCID 50/ml
Detection limits: 6.3 TCID 50/mL
※LRV: Log 10 (Initial infectivity titer ÷ infectivity titer after 30 seconds)
※PBS = Phosphate Buffered Saline

≪Reference data≫

Test water property
Effective chlorine concentration ad pH level of the test water (KECA generated water)

Table 3. The results of measuring the test water's effective chlorine concentration and pH level

Test water	Effective chlorine concentration ※1 (measured value: mg/L)	pH※2
KECA generated water	49.3	5.9

※ Measured by AQUAB AQ-102(SIBATA SCIENTIFIC TECHNOLOGY LTD)
※ Measured by ph meter D-52 (HORIBA)