

ApoX Stability Test

Sample: ApoX antivirus spray

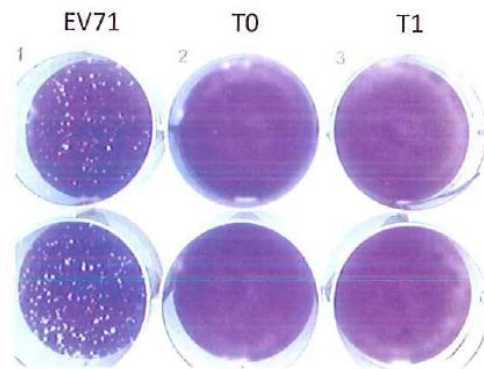
(T0, T1, T2, T3 and T6; "T0" means starting day, "T1", T2, T3, T6", means storage at indicated "40 °C/ 75%RH" for 1, 2, 3, and 6 month.

Origin: These samples are from the SGS for accelerated stability test evaluation (40 °C / 75%RH). (Repot No. UG / 2018 / A0358).

Manufacturing Date: 2018.04.03

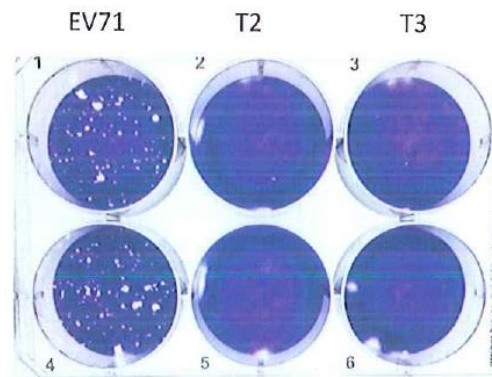
Shelf life: 2 years

Bioassay on anti-entrovirus71 activity by plaque forming reduction assay:



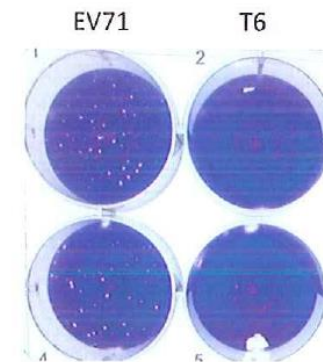
Testing date: 2018.11.28

Plaque number	VC	T0	T1
EV71/4643	183/175	1/0	0/0
Inhibition rate (%)		99.99	100



Testing date: 2019.02.20

Plaque number	VC	T2	T3
EV71/4643	183/192	4/0	3/0
Inhibition rate (%)		98.93	99.20



Testing date: 2019.05.08

Plaque number	VC	T6
EV71/4643	180/184	2/5
Inhibition rate (%)		98.07



Sample: ApoX antiviral spray

Origin: Far-East Bio-Tec. Co., Ltd. Storage. (25 °C / 70%RH)

Manufacturing Date: 2017.10.15

Shelf life: 2 years

Bioassay on anti-enterovirus71 activity & Influenza A virus by plaque forming reduction assay:

Stability Test Table

Date (yyyy/mm/dd)		2017/10/16	2017/11/16	2017/12/18	2018/01/16	2018/02/16	2018/03/16	2018/04/16	2018/05/16	2018/06/18	2018/07/16	2018/8/16
Physical Properties												
Appearance	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Color	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown
Odor & Taste	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal
pH	3.8~4.2	4.05	3.92	3.97	3.96	4.01	4.00	3.99	3.96	3.92	3.98	3.95
Microbiology Test												
LB Broth shake	+/-	-	-	-	-	-	-	-	-	-	-	-
Bioassay(plaque reduction assay)												
Inhibition rate of Enterovirus 71	0~100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Inhibition rate of Influenza A	0~100%	100%	N.D	N.D	100%	100%	100%	N.D	100%	N.D	100%	N.D

Stability Test Table (continued)

Date (yyyy/mm/dd)		2018/09/17	2018/10/16	2018/11/16	2018/12/17	2019/01/16	2019/05/08	2019/12/18				
Physical Properties												
Appearance	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid				
Color	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown	Olive-Brown				
Odor & Taste	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal				
pH	3.8~4.2	3.86	3.90	3.83	3.87	3.91	3.92	3.94				
Microbiology Test												
LB Broth shake	+/-	-	-	-	-	-	-	-				
Bioassay(plaque reduction assay)												
Inhibition rate of Enterovirus 71	0~100%	100%	100%	100%	100%	100%	100%	100%				
Inhibition rate of Influenza A	0~100%	100%	N.D	N.D	100%	100%	N.D	N.D				

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