

REPORT OF ANALYSIS

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Subject : Acute Oral Toxicity for Antiseptic / Disinfectant "Steriplant Sanitising Water"
Tested For : Acute Oral Toxicity
Date of Analysis : Feb 11st – Mar 24th 2021

Test Animal

Species : Rat (*Rattus norvegicus*)
Strain : Sprague Dawley (SD)
Number of animals : 24
Sex : Female

Group	Number of animals per group	Dose/Concentration
I	6 Animal ID: 016, 005, 001, 023, 020, 004	Control (aquades)
II	6 Animal ID: 018, 019, 017, 006, 013, 008	5 mg/kg BW
III	6 Animal ID: 003, 021, 009, 010, 011, 012	50 mg/kg BW
IV	6 Animal ID: 007, 015, 024, 022, 014, 002	80 mg/kg BW

Test Material
Steriplant Sanitising Water

Description : Liquid
Volume/1,000 ml : Sodium chloride 0.2% and water 99.8% (MSDS); equal to 2 mg/ml
Administration/ Exposure : Oral
Type : Gavage

Group	ID	BW (gram)	Total Volume Applied (ml)	Time			Note
I control (aquades)	016	162	1	09.10	-	-	
	005	189	1	09.11	-	-	
	001	176	1	09.13	-	-	
	023	163	1	09.14	-	-	
	020	140	1	09.15	-	-	
	004	170	1	09.17	-	-	
II 5 mg/kg BW	018	142	0,36	09.19	-	-	
	019	146	0,37	09.20	-	-	
	017	182	0,46	09.22	-	-	

	006	162	0,41	09.25	-	-	
	013	166	0,42	09.27	-	-	
	008	198	0,50	09.30	-	-	
III 50 mg/kg BW	003	191	4,8	09.32	13.12	-	The administration is divided into 2 times with an interval not less than 3 hours
	021	177	4,4	09.35	13.14	-	
	009	164	4,1	09.36	13.15	-	
	010	158	4,0	09.38	13.17	-	
	011	193	4,8	09.40	13.18	-	
	012	148	3,7	09.43	13.20	-	
	007	175	7,0	09.45	13.22	16.38	
IV 80 mg/kg BW	015	120	4,8	09.47	13.24	16.40	The administration is divided into 3 times with an interval not less than 3 hours
	024	160	6,4	09.49	13.25	16.41	
	022	140	5,6	09.51	13.26	16.44	
	014	180	7,2	09.53	13.28	16.45	
	002	142	7,6	09.55	13.30	16.47	

Animal Care

Cage size : Dimention 425 x 266 x 155 mm
 Number animals per cage : 3
 Material : - Rack: stainless stell
 - Box cage: H-Temp Polysulfone cage body

Clinical observation

Attached

Clinical signs

No.	ID	Clinical signs
1	001	No clinical symptoms
2	002	No clinical symptoms
3	003	No clinical symptoms
4	004	No clinical symptoms
5	005	No clinical symptoms
6	006	No clinical symptoms
7	007	No clinical symptoms
8	008	No clinical symptoms
9	009	No clinical symptoms
10	010	No clinical symptoms
11	011	No clinical symptoms
12	012	No clinical symptoms
13	013	No clinical symptoms

14	014	No clinical symptoms
15	015	No clinical symptoms
16	016	No clinical symptoms
17	017	No clinical symptoms
18	018	No clinical symptoms
19	019	No clinical symptoms
20	020	No clinical symptoms
21	021	No clinical symptoms
22	022	No clinical symptoms
23	023	No clinical symptoms
24	024	No clinical symptoms

Mortality

Human end point at the end of observation period

No.	Date	ID	Time	Notes
1	Mar 4 th 2021	001	11.22	Anesthesia and cervical dislocation
2	Mar 4 th 2021	002	10.23	Anesthesia and cervical dislocation
3	Mar 4 th 2021	003	10.39	Anesthesia and cervical dislocation
4	Mar 4 th 2021	004	11.17	Anesthesia and cervical dislocation
5	Mar 4 th 2021	005	11.24	Anesthesia and cervical dislocation
6	Mar 4 th 2021	006	11.05	Anesthesia and cervical dislocation
7	Mar 4 th 2021	007	10.28	Anesthesia and cervical dislocation
8	Mar 4 th 2021	008	11.16	Anesthesia and cervical dislocation
9	Mar 4 th 2021	009	10.34	Anesthesia and cervical dislocation
10	Mar 4 th 2021	010	11.02	Anesthesia and cervical dislocation
11	Mar 4 th 2021	011	11.15	Anesthesia and cervical dislocation
12	Mar 4 th 2021	012	10.39	Anesthesia and cervical dislocation
13	Mar 4 th 2021	013	11.14	Anesthesia and cervical dislocation
14	Mar 4 th 2021	014	10.31	Anesthesia and cervical dislocation
15	Mar 4 th 2021	015	11.10	Anesthesia and cervical dislocation
16	Mar 4 th 2021	016	11.27	Anesthesia and cervical dislocation
17	Mar 4 th 2021	017	11.26	Anesthesia and cervical dislocation
18	Mar 4 th 2021	018	11.03	Anesthesia and cervical dislocation
19	Mar 4 th 2021	019	11.04	Anesthesia and cervical dislocation
20	Mar 4 th 2021	020	11.28	Anesthesia and cervical dislocation
21	Mar 4 th 2021	021	11.20	Anesthesia and cervical dislocation
22	Mar 4 th 2021	022	10.27	Anesthesia and cervical dislocation
23	Mar 4 th 2021	023	11.23	Anesthesia and cervical dislocation
24	Mar 4 th 2021	024	10.32	Anesthesia and cervical dislocation

Bodyweights (gram)

Kelompok	ID	18-Feb-21	22-Feb-21	25-Feb-21	01-Mar-21	04-Mar-21
I control (aquades)	016	162	148	150	154	153
	005	189	170	170	179	180
	001	176	164	163	169	168
	023	163	147	141	142	141
	020	140	121	121	127	123
	004	170	169	169	173	177
	II 5 mg/kg BW	018	142	139	135	134
	019	146	135	135	135	135
	017	182	181	184	187	191
	006	162	151	155	165	166
	013	166	156	156	163	156
	008	198	184	184	189	187
III 50 mg/kg BW	003	191	179	176	184	182
	021	177	156	160	176	184
	009	164	148	145	146	148
	010	158	143	142	150	150
	011	193	173	175	180	180
	012	148	140	142	152	148
	IV 80 mg/kg BW	007	175	183	182	184
015		120	144	167	186	198
024		160	157	160	170	167
022		140	131	130	133	132
014		180	170	170	176	181
002		142	128	129	138	139

Necropsy

No.	ID	Gross necropsy
1	001	No abnormalities
2	002	No abnormalities
3	003	No abnormalities
4	004	No abnormalities
5	005	No abnormalities
6	006	No abnormalities
7	007	No abnormalities
8	008	No abnormalities
9	009	No abnormalities
10	010	No abnormalities
11	011	No abnormalities
12	012	No abnormalities

13	013	No abnormalities
14	014	No abnormalities
15	015	No abnormalities
16	016	No abnormalities
17	017	No abnormalities
18	018	No abnormalities
19	019	No abnormalities
20	020	No abnormalities
21	021	No abnormalities
22	022	No abnormalities
23	023	No abnormalities
24	024	No abnormalities

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Material dose/concentration up to 80 mg/kg BW showed no clinical symptoms and no abnormalities were found in animal organs (gross necropsy).

Bogor, Mar 26th 2021

Director

CRO Manager


BioMedical Technology Indonesia



drh. Gunadi Setiadarma

drh Fitri Luthfianti Nur Annisaa

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