

*Acartia tonsa* egg production and egg viability with sterol supplementation  
Low food no significant differences.

sterol	eggs/f*d	SE	viability	SE
24-methylenecholesterol	4.3	0.6	0.93	0.03
24-methylcholesterol	4.2	0.5	0.87	0.03
24-ethylidenecholesterol	3.2	0.3	0.94	0.04
24-propylidenecholesterol	3.0	0.5	0.95	0.03
27-norbrassicasterol	3.2	0.1	0.91	0.03
23-methylbrassicasterol	4.0	0.4	0.90	0.05
24,25-methylenecholesterol	3.5	0.4	0.92	0.06
$\Delta^0$ 4a-methylcholestanol	3.0	0.5	0.88	0.09
s $\Delta^8(14)$ 4a-methylcholestanol	4.3	0.4	0.91	0.03
gymnodynosterol	3.4	0.3	0.84	0.10
gorgosterol	3.5	0.3	0.90	0.05

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sterol	eggs/f*d	SE	viability	SE
24-methylcholesterol	9.3	2.1	0.86	0.11
$\Delta^8(14)$ 4a-methylcholestanol	11.0	1.0	0.94	0.05
brevesterol	9.7	1.2	0.97	0.02
gymnodynosterol	8.7	0.5	0.88	0.04
24-methylpavloval	10.7	0.3	0.94	0.04
24-methyl-androsterone	9.5	1.9	0.72	0.13
24 methylpavlovol	11.4	0.9	0.93	0.03
cholesta-pavlovol	9.2	2.1	0.87	0.04
4-methylenecholestanol	11.9	1.6	0.94	0.03
petrosterol	11.8	1.9	0.88	0.06

*Artemia salina* growth rates with sterol supplementation.  
Average weights and biomass per tank.

Experiment 1: <i>Artemia</i> growth	Average weights		Biomass/tank	
	$\mu\text{g dwt}$	SE	mg dwt	SE
sterol	36.4	2.6	2.8	0.6
sterol 15	31.6	3.0	2.0	0.1
24-methyl-androsterone	29.8	6.2	1.9	0.4
24 methylpavlovol	25.9	7.4	2.1	0.5
4-methylenecholestanol	13.5	1.6	1.2	0.1
petrosterol	18.9	2.7	1.7	0.3

Experiment 2: *Artemia* growth

	$\mu\text{g dwt}$	SE	$\text{mg dwt}$	SE
sterol				
cholesterol	18.9	0.9	6.9	0.1
24-propylidenecholesterol	18.8	3.0	6.3	0.3
27-norbrassicasterol	14.9	1.7	6.8	0.5
23-methylbrassicasterol	17.6	1.0	6.4	0.1
brevesterol	18.7	0.8	7.4	0.5
pfisterol	17.8	0.4	7.0	0.3

Experiment 3: *Artemia* growth

	$\mu\text{g dwt}$	SE	$\text{mg dwt}$	SE
sterol				
cholesterol	20.3	3.6	9.5	1.4
24,25-methylenecholesterol	18.0	1.4	10.4	0.5
$\Delta^0$ 4a-methylcholestanol	10.1	2.8	6.1	3.0
$\Delta^8(14)$ 4a-methylcholestanol	17.6	1.4	11.2	0.2
brevesterol	19.9	1.3	11.3	0.4
gymnodynosterol	20.1	5.1	11.8	1.0

Experiment 4: *Artemia* growth

	$\mu\text{g dwt}$	SE	$\text{mg dwt}$	SE
sterol				
24-methylcholesterol	27.8	2.8	6.6	0.7
24-ethylidenecholesterol	23.6	2.6	5.7	0.6
$\Delta^0$ 4a-methylcholestanol	29.2	1.0	7.0	0.2
4-methylenecholestanol	24.6	1.4	5.9	0.3
petrosterol	24.8	2.1	5.9	0.4