

Table 5 Net growth of morphometric parameters of *Aeromonas hydrophila* infected fish fed with control and immunostimulant mixed feed after 30 days of treatment

S. No.	Morphometric parameter	Type of Diet					
		Control	Vitamin C	Vitamin E	Chitin	Chitosan	Levamisole
1	BL (cm)	1.3	1.8	1.7	1.3	1.5	1.5
2	BW (cm)	0.4	1.2	0.5	0.4	0.3	0.4
3	W (g)	15.6	15.9	24	20.4	22.8	26
4	HL (cm)	0.6	0.5	0.7	0.5	0.2	0.4
5	HD (cm)	0.5	0.4	0.4	0.4	0.2	0.4
6	ED (cm)	0.2	0.1	0.1	0.2	0.1	0.1
7	PD (cm)	0.1	0.1	0.1	0.1	0.1	0.1
8	CPL (cm)	0.5	0.4	0.4	0.6	0.4	0.3
9	CPW (cm)	0.3	0.2	0.3	0.4	0.3	0.4
10	CFL (cm)	0.3	0.4	0.6	0.5	0.4	0.4
11	DFL (cm)	0.4	0.6	0.4	0.5	0.3	0.5
12	PcFL (cm)	0.4	0.4	0.5	0.5	0.2	0.4
13	PIFL (cm)	0.4	0.4	0.6	0.4	0.5	0.5
14	AFL (cm)	0.2	0.8	0.5	0.4	0.3	0.2

Furthermore, infected fish fed with all five selected immunostimulant mixed feed exhibited lower lengths than the normal fish fed with immunostimulant diets. Among, all the tested feeds, *Aeromonas* infected fish fed with vitamin C mixed feed exhibited greater body length gain. After 30 days of treatment, the length gain of *Aeromonas* infected fish fed with control feed as well as vitamin C, vitamin E, chitin, Chitosan, and levamisole supplemented feeds were found to be 1.3, 1.8, 1.7, 1.3, 1.5, and 1.5 cm respectively.

However, the infected fish fed with vitamin C and vitamin E supplemented feed exhibited greater body width (BW) than the control. Whereas, the fish fed with chitosan supplemented feed shows lesser BW than the control. The BW gain of infected fish with the chitosan, and levamisole mixed feed are equal to the BW gain of fish fed with control feed. The highest BW gain observed in the infected fish fed with vitamin C supplemented feed. After 30 days of treatment, the BW gain of infected fish fed with control feed as well as vitamin C, vitamin E, chitin, Chitosan, and levamisole supplemented feeds were found to be 0.4, 1.2, 0.5, 0.4, 0.3, and 0.4 cm respectively (Figure 10 to Figure 15).

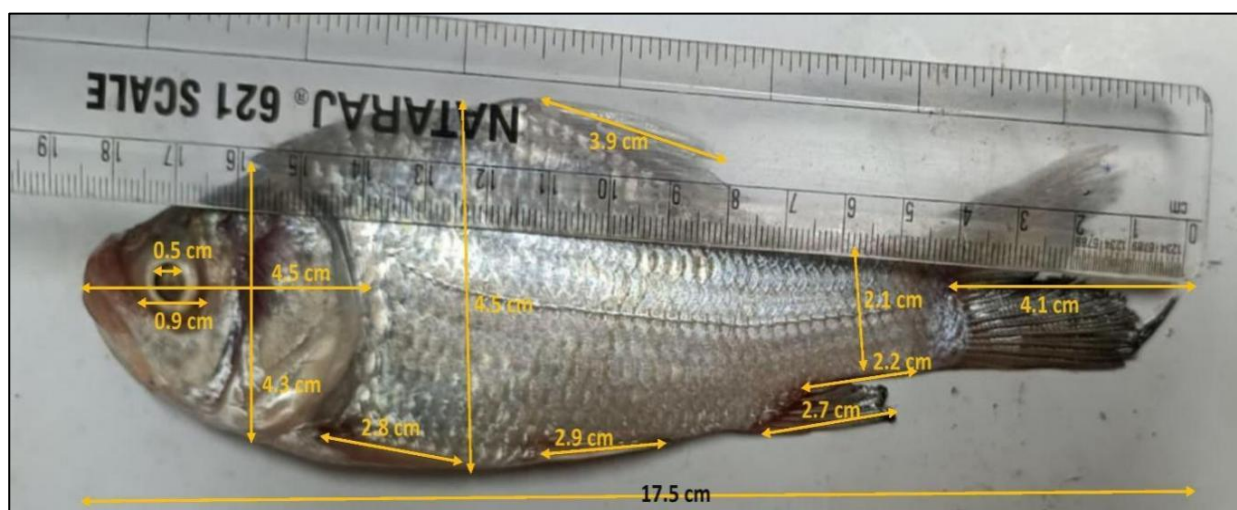


Figure 10 Morphometric measurements of *Aeromonas hydrophila* infected *Catla catla* fed with control feed after 30 days of treatment