



premium freeze dried
MICRO ALGAE
nourishing the blue economy

ChaetoPrime

premium freeze dried '*Chaetoceros muelleri*'

ChaetoPrime is a small diatom alga with a balanced nutritional composition providing the essential poly-unsaturated fatty acids for the early larval stages of most aquaculture species.

ChaetoPrime is the ideal microalga to feed the zoea and mysis stages of shrimp larvae as well as the larvae of bivalves and sea cucumber from early stages onward.

ChaetoPrime can be used together with our **IsoPrime**, **NannoPrime**, **TetraPrime** and/or **ThalaPrime** products to compose your customized microalgae diet for optimal larval performance.

ChaetoPrime is the easy-to-use back-up alternative for live *Chaetoceros muelleri* available off the shelf at any time.



ChaetoPrime - product leaflet

product facts

	%
Crude protein	40%
Total lipids	15%
Crude ash	29%
n-3 HUFA	1%
# cells/g	1.5-3 x10 ¹⁰
Cell size	4-8 µm

product features

- Available off the shelf, easy to use
- Single cell dispersion
- Extended residence in the water column
- No fouling
- Guaranteed pathogen free

process, storage & shelf life

ChaetoPrime is produced under the most stringently controlled HACCP and FCA certified conditions in Proviron's proprietary, closed vertical panel photobioreactor system followed by subsequent low shear centrifugation and an optimized in-house freeze-drying process.

The product is packed under protective atmosphere in light tight aluminum bags. The shelf life is 3 years when stored in dry conditions.

product use

Add the required amount of ChaetoPrime in seawater (up to 50 g/L) in a blender. Start the blender to create a vortex first and then slowly add the ChaetoPrime. Homogenize during 1 minute. Stop the blender and leave the product to rehydrate for 5 min. Blend another 30 seconds for every 10 g of resuspended material. The solution can be stored up to 48 hours at 4°C. Shake again before using.

Bivalve larval feeding: Start feeding ChaetoPrime from D-shaped stage (16 h post hatch) onward as part of a bispecific or multispecies diet typically including a flagellate species such as IsoPrime. Typically, stock larvae at 2000 to 3000 per L and start with a total daily dose of approx. 2500 cells/larva and gradually build up to 80.000 cells/larva at setting.

Shrimp larval feeding: Start feeding ChaetoPrime from nauplius V(-VI) onward in combination with TetraPrime. Typically stock larvae at 150 nauplii per L and respectively add 100,000-120,000 cells and 30,000 cells per L. Dosing requirements may vary according to environmental conditions and larval densities.

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