



Zeigler *Vpak* (Vitality Pak) is an all-natural, highly purified, nutritional additive that has been shown to improve survivability and production yields in cultured species. Both field and laboratory trials have demonstrated increased disease resistance when animals were fed diets supplemented with *Vpak* which contains no antibiotics. *Vpak* is added to select standard diets and can be included in any custom run at the customer's request.

FEATURES & BENEFITS

- Observed improvement in survivals & production yields.
- All-natural alternative to antibiotics.
- Proactive mechanism for fighting viruses and pathogens.
- Optimal dose/response inclusion level for finfish.
- Inclusion in starter feeds reported to improve survivals in grow-out.
- Safe, biodegradable and residue-free; no antibiotics.

PRODUCT APPLICATION & TECHNICAL REPORTS

- Feed for 2-3 weeks prior to stressful handling events and disease-prone periods.
- Demonstrated enhanced neutrophil function, macrophage production and leukocyte production in species fed *Vpak* (Vitality Pak).
- Demonstrated increased resistance of Atlantic salmon to amoebic gill disease.
- Demonstrated increased resistance of rainbow trout to strawberry disease.
- Demonstrated increased resistance of carp to *Aeromonas hydrophila*.
- Demonstrated improved coloration and fin condition in tropical fish.

GUARANTEED ANALYSIS

Crude Protein	Min 20.0%	Moisture	Max 10.0%
Crude Fat	Min 6.0%	Ash	Max 8.0%
Crude Fiber	Max 6.0%		

INGREDIENTS

This product contains processed grain by-products, marine products, plant protein products, stable vitamin C, carotenoid pigments and preservatives.

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