



Zeigler **Vpak** (Vitality Pak) is an all-natural, highly purified nutritional supplement that has been shown to materially improve survival and production yields in cultured shrimp. Based on the principles of “Nutritional Immunology”, **Vpak** uses a unique blend of selected nutrients and natural bioactive substances to materially reduce the impact of stress and increase disease resistance. **Vpak** is not a therapeutic, but rather a completely non-toxic activator of the non-specific immune system. “The non-specific immune response is characterized by a rapid deployment of humoral and cellular defense mechanisms without prior recognition of the infectious agent.”

Nutrition and immune modulation in aquatic animals. Verhlaac and Kiron, Aqua Feeds: Formulation & Beyond. Volume 1 Issue 4 2004

WHAT IS **Vpak**?

Vpak is a blend of all natural nutritional compounds proven to:

- Enhance productivity.
- Modulate innate immunity.
- Improve osmoregulatory capacity.
- Improve gut health.

Vpak contains:

- Carotenoid pigments.
- Specific nutritional compounds for gut health.

Vpak promotes:

- Healthy shrimp.
- Integrated health management plan.
- Innate immune system response.
- Increased survival and productivity.

Only available as inclusion in Zeigler Bros., Inc. complete feeds

FEATURES & BENEFITS

- Field and laboratory tested and proven to improve survival and production yields.
- All-natural feed supplement that can help reduce dependence on antibiotics.
- **Vpak** formulation and manufacturing processes are unique and proprietary; there is no other product like it available on the market today.
- **Vpak** is not a therapeutic, but an alternative calculated to the optimal response dose for shrimp.
- Effectively reduces stress from handling and environmental stressors like low Dissolved Oxygen
- Designed for use in any formulated shrimp diet.

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% | | |

PARTICLE SIZE & PACKAGING

Fine powder
15 Kg. Bucket (33 lbs.)

INGREDIENTS

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

PRODUCT APPLICATION & TECHNICAL REPORTS

- 0.25% or 2.5 Kg per metric ton of feed (5 lbs. per short ton of feed)
- Shown in field tests to increase survivability in *P. vannamei* by 10-25%
- Production yields reported to have improved up to 35%
- Inclusion of **Vpak** in hatchery feeds has demonstrated increased survivability in growout stages

STORAGE INSTRUCTIONS

- Store additive in cool, dry, well-ventilated area away from sunlight. Rotate stock to use old additive first (“first in, first out” principle).
- Unopened packages have a shelf life of up to 2 years.

Copyright © 2022 by Zeigler Bros., Inc.

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the publisher, except in the case of brief quotations embodied in critical reviews and certain other non-commercial uses permitted by copyright law. For permission requests, write to the publisher, addressed “info@zeiglerfeed.com.”



Zeigler Bros., Inc.
400 Gardners Station Road
Gardners, PA 17324 USA

www.zeiglerfeed.com
info@zeiglerfeed.com

717-677-6181
717-677-6826 fax

GLOBALG.A.P.
The Global Standard for Safe and Sustainable Agriculture

