Selisseo®

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Get the most from your organic selenium supplementation

Consistent selenium nutrition supports health, performance, and stress resilience in today's swine operations, especially in high-performing sows.

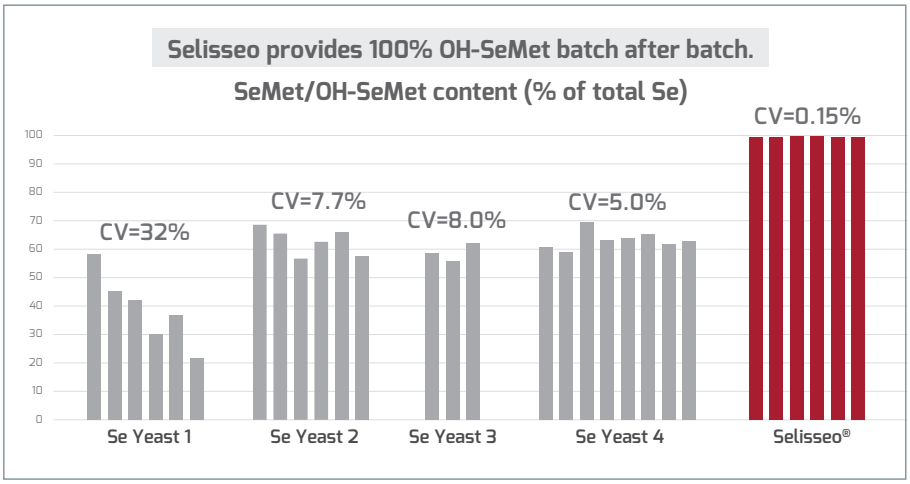
You expect stability, reliability, and uniformity in other micronutrient sources, yet selenomethionine variation remains in yeast-based organic selenium. Selisseo® brand hydroxy-selenomethionine (OH-SeMet) is the only premium selenium supplement that consistently provides these benefits versus other Se sources.

Why pay a premium for the variable selenomethionine in SeYeast?

Selisseo consistently delivers 100% OH SeMet (CV = 0.15%).

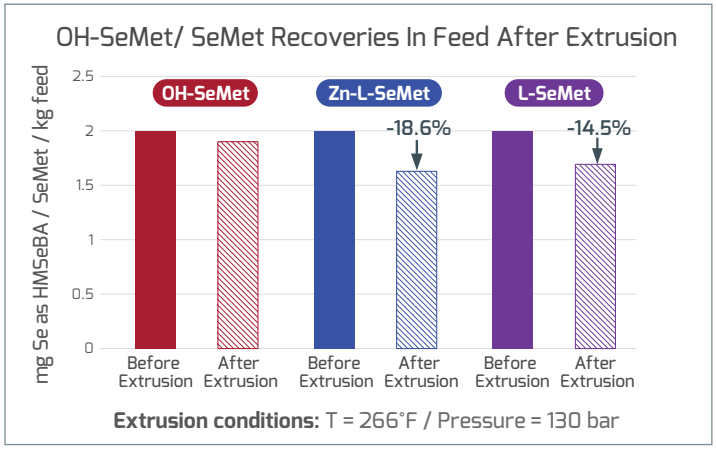
This ensures a precise seleno-methionine (SeMet) supply in each formulated ration.

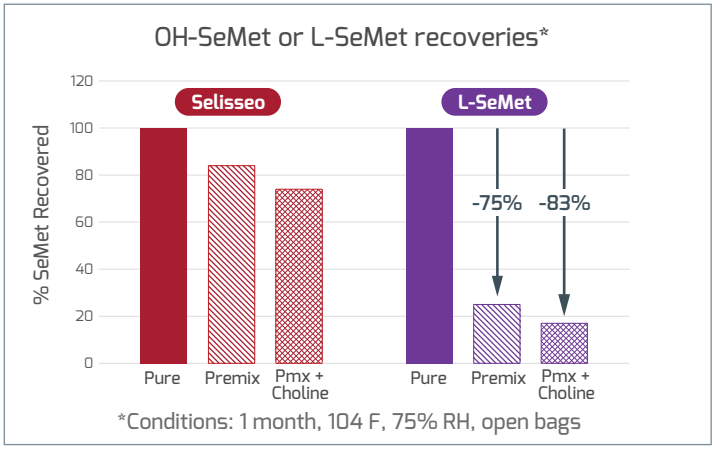
You don't accept variation in other essential micronutrient ingredients. Why would you accept it here?



Exceptional Stability in Real-World Conditions

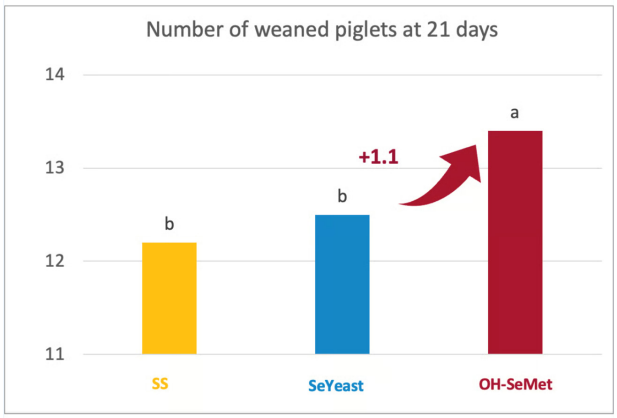
Feed manufacturing can be tough on organic selenium sources. Selisseo is built for it. This means fewer losses during mixing and storing concentrated, complex vitamin-trace mineral premixes, feed pelleting and extrusion. This yields a more consistent SeMet supply in your nutrition program.





Reliability and Uniformity Pay

Selisseo fed sows weaned more piglets than sows fed sodium selenite (SS) or Se Yeast with no differences observed in piglet weaning weight. [1]



Selisseo benefits during stress

At a cellular level, stress translates into an increased production of reactive oxidative species (ROS), upsetting cellular oxidative balance and damaging cell structure.

Selenium, a key antioxidant, is stored as selenomethionine in muscle tissue. All other selenium metabolites, including selenocysteine (SeCys) are not stored. Instead, they are rapidly converted to hydrogen selenite (H_2Se) in the liver. This H_2Se is de novo synthesized into selenoproteins, used and excreted. Selisseo, being 100% OH-SeMet, provides these same benefits along with its excess being stored in muscle tissue for future needs during periods of inadequate feed intake and stress.

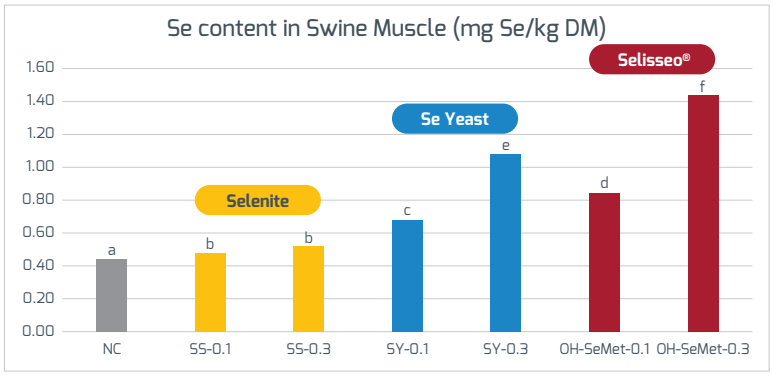
Selisseo helps reduce the impact of oxidative stress through:

- Highly available immediate Se metabolized like other Se sources.
- Excess selenomethionine is deposited in muscle tissue; stored for future need.
- Increased blood and liver Se content during stress and feed intake disruption.
- Higher antioxidant potential makes Selisseo the most effective Se antioxidant source.

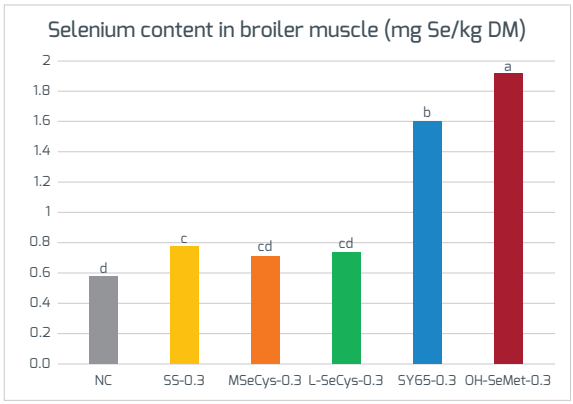
Selisseo provides consistent added value

Because only SeMet is stored, organic selenocysteine from Se Yeast is a much more expensive way to get the same metabolic effect as feeding cheaper inorganic selenium. Only SeMet provides the added value in organic selenium. In addition, the OH-SeMet in Selisseo has the stability in premixes and complex feed processing operations that L-SeMet sources lack. Why pay a premium for variation and Se metabolites that aren't retained for further benefit?

Selisseo increases the Se deposition in muscle



SeCys does not have storage properties



An *in vivo* broiler trial confirms dietary SeCys is no more efficient than sodium selenite and confirms that selenium source efficacy is driven by SeMet content and not SeCys content!

[1] Seli-Report 43, Trial conducted in Brazil.
[2] Jlali et al, 2024 Journal of Animal Science, 92, 182 -188
[3] De Marco et al, 2021 Italian Journal of Animal Science, 20, 514-525

Want more information about Selisseo?
Contact your Adisseo representative today!

Adisseo USA Inc.
4501 North Point Pkwy, STE 200
Alpharetta, GA 30022

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www.adisseo.com