

Revalor-XS
(trenbolone acetate and estradiol)

Revalor-XH
(trenbolone acetate and estradiol)

**WITH THE RIGHT IMPLANT NOW,
YOU DON'T HAVE TO RE-IMPLANT LATER.**

Gain the benefits of the re-implanting process with REVALOR-XS and REVALOR-XH. Lose the worry of labor, injury or loss of feed intake.



 **MERCK**
Animal Health

The extra productivity that comes with re-implanting without re-implanting at all.

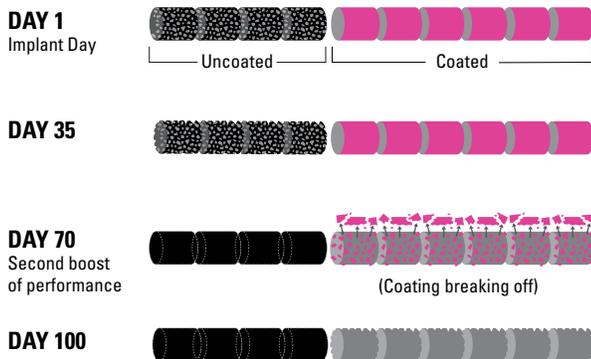
There's no telling what "later" will bring. In 90 days the weather may take a turn, making re-implanting difficult. Then there's labor to consider. Will there be enough resources to get it done on time? Plus, there's the added stress on cattle that can result in decreased feed intake after processing.¹

With REVALOR-XS and REVALOR-XH, both you and your cattle gain the benefits of re-implanting – without the stress or work.

Delayed-release technology creates proven long-lasting performance.

REVALOR-XS and REVALOR-XH provide what your steers and heifers need to grow heavier over their entire finishing period without the need to re-implant. Delayed-release technology acts as two doses in a single implant. By using a staged-release process, REVALOR-XS and REVALOR-XH deliver dosages that give the animals exactly what they need, when they need it.

Both REVALOR-XS and REVALOR-XH are armed with the proven performance of trenbolone acetate and estradiol in 10 pellets: four uncoated pellets and six coated.



The four uncoated pellets (first dose) go to work immediately like an initial implant.

Shielded by the patented X7™ stage-release polymer coating, the six coated pellets (second dose) release slowly and go to work 70 to 80 days later, working like a re-implant without the re-implant process.

Consistent dosing without the need to re-implant allows you to reap the rewards of uninterrupted feeding and more consistent growth.

SUMMARY: Stage-released dosing more accurately meets the animal's anabolic needs for the benefits of re-implanting without the uncertainty.

Effective. Efficient. Easy.

REVALOR-XH offers the same – or better – benefits of re-implanting.² As you know, every time you handle cattle, it impacts time, labor and resources that could be used somewhere else. By taking re-implanting off your endless list of things to do, you no longer have to worry about what could prevent you from re-implanting on time.

REVALOR-XH

Six research studies show REVALOR-XH achieves the same benefits in final body weight, average daily gain and feed-to-gain ratio for heifers without re-implanting versus those that were re-implanted.

HEIFERS POOLED SUMMARY²

	Revalor IH/200	Revalor XH	SEM	P-value for main effect of implant
Pens (hd count)	90 (8,837)	90 (8,838)		
Initial BW, lb.	735.15	733.96	9.06	0.29
DMI, lb/hd/d	20.67	20.85	0.28	0.02
Final BW, lb. DRO	1320.52	1321.85	9.93	0.63
ADG, lb/d DRO	3.319	3.331	0.049	0.35
F:G DRO	6.270	6.301	0.045	0.30
Pen_Yield	64.54%	64.22%	0.12%	<0.01
HCW lb.	847	843	6.19	0.02

DRO = deads and removals out



REVALOR-XS

REVALOR-XS outperforms some re-implanting programs when used as the only implant. However, when enrolled in a re-implant program starting with REVALOR-XS and re-implanted with Revalor®-200 (trenbolone acetate and estradiol), steers show the greatest performance.²

REVALOR-XS produces the highest total gains when used as the initial or, in some instances, only implant. So even if stress, weather or logistical factors make re-implanting unfeasible, you're in a profitable place. That's because the extended-release benefits of REVALOR-XS provide insurance by starting your animal with the right implant to maximize steer output. If you do choose to re-implant steers with REVALOR-200 after implanting with REVALOR-XS, you have tremendous flexibility in choosing when to do so.

STEERS POOLED SUMMARY²

	Revalor IS/200	Revalor XS/200	SEM	P-value for main effect of implant
Pens (hd count)	20 (1382)	20 (1382)		
Initial BW, lb.	597.56	597.38	12.85	0.97
DMI, lb/hd/d	23.50	23.49	0.25	0.97
Final BW, lb. DRO	1399.52	1406.41	13.81	0.21
ADG, lb/d DRO	3.79	3.83	0.05	0.27
F:G DRO	6.20	6.15	0.08	0.29
Pen_Yield	63.45%	63.69%	0.43%	0.20
HCW lb.	901.15	908.85	13.34	0.07

DRO = deads and removals out

SUMMARY: Data shows there are few, if any, benefits to re-implanting heifers with a new implant versus implanting them with two-in-one dose REVALOR-XH. While steers may show a greater response to re-implanting under some study conditions, REVALOR-XS is the highest-performing single implant for steers and provides both insurance and flexibility if re-implanting is part of your steer strategy.

Driven by data. Tailored to you.

Utilizing REVALOR-XS and REVALOR-XH makes business sense by increasing cattle gain and efficiency without the cost of re-implanting. But you don't have to take our word for it. Unlike many competitor implants, REVALOR-XS and REVALOR-XH are backed by extensive research and feeder support resources.

PROVEN RESULTS

Studied on 17,675 head of XH heifers and 2,700 head of XS/200 steers.

Utilizing serial harvesting research, our experts leverage data and experience to help you optimize implanting protocols that grow your business. We're also available to answer questions about products to help you maximize economic return on a live or carcass basis. Contact your Merck Animal Health sales representative or technical services today.

Our Livestock Technical Services team helps you make the most impactful implant plan.

SUMMARY: Merck Animal Health conducts and utilizes research to create proven implants. Our extensive Livestock Technical Services team helps you utilize implants in the most efficient way to help you build your business and profit. Because we gauge our success by yours.



Implant once. Implant easily.

Cattle feeders across the country trust the Rev-X™ Universal Implant Tool for implanting their animals with the implants that deliver. Intuitive, easy to use and durable, the Rev-X Universal Implant Tool makes implanting feedlot cattle easy.

Correct implanting technique and sanitation is crucial to the success of any implant program. Always remember to follow proper procedures. After all, there's a lot of profit on the line when a missing implant can cost you up to 90 pounds of carcass weight.

If you'd like to provide implant technique training to your processing crew or better understand supplies needed for implanting, reach out to a Merck Animal Health representative.

Gain the benefits of re-implanting. Lose the worry of labor, injury or loss of feed intake.

There's no way to know what 90 days' time will look like, but with Revalor®-XS (trenbolone acetate and estradiol) and Revalor®-XH (trenbolone acetate and estradiol), you don't have to worry. Remove added stress or loss of feed intake for cattle. Remove added time, money, labor or injury risk for you. Because enjoying the extra productivity that comes with re-implanting cattle is as easy as not re-implanting at all.



Save on labor



Reduced stress on animals and staff



No reduced feed intake



Reduced risk from labor shortage



Reduced risk from weather



Peace of mind



Talk to your Merck Animal Health sales representative about the benefits REVALOR-XS and REVALOR-XH can bring to your feedlot.

More results. Less work. Just one more way Merck Animal Health Works for you.

REVALOR-XS IMPORTANT SAFETY INFORMATION:

A withdrawal period has not been established for Revalor in pre-ruminating calves. Do not use in calves to be processed for veal. Implant pellets in the ear only. Any other location is in violation of Federal Law. Do not attempt salvage of implanted site for human or animal food. For complete product information, refer to product label.

REVALOR-XH IMPORTANT SAFETY INFORMATION:

No withdrawal period is required when used according to labeling. Do not use in calves to be processed for veal. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in lactating dairy cows or in animals intended for subsequent breeding. Use in these cattle may cause drug residues in milk and/or in calves born to these cows. Administer implant subcutaneously in the ear only. Any other location is in violation of Federal Law. Do not attempt salvage of implanted site for human or animal food. Not for use in humans. Keep this and all drugs out of the reach of children. For complete information, refer to product labels.

¹Study Number HR-2S: Evaluation of Implants Containing Reduced-Dose Combinations of Trenbolone Acetate and Estradiol on Performance and Carcass Merit of Finishing Steers.
²Data on file, Merck Animal Health.