

EFFECT OF CELL-RATE™ ON NEWLY ARRIVED STRESS CALVES

Protocol:

The purpose of this trial was to evaluate the effectiveness of Cellarat-ORE CPR®** on the health status of newly arrived stressed calves to a feedlot environment. Steer calves were received to the feedyard over approximately a three week period. Calves received at Zwickl Bar Six Grow Yard (Wellfleet, NE) come from the southeast. Calves in the southeast are sold in small groups forcing the calves to wait as long as a week in the sale barn before being shipped. These calves travel over 800 miles from the sale barn to the feed yard. Calves were split into treatment and control groups. Control Group was fed 30 lbs. of Ore-Bac® Starter* (no Cell-rate™). Treatment Group was fed 30 lbs. of Cellarat-ORE CPR®**. All other protocols were the same for control vs. treatment. Upon arrival all cattle were given Bovi Shield Gold 5, Nasal Vac, Ivomec pour-on, branded, and tagged.

Summary of Results:

- Pull % of Control Group was 47.87% compared to 15.31% in Treatment Group.
- Control Group had 6 deaths compared to 0 deaths in Treatment Group.
- Medication cost was \$3.16 cheaper per calf in the Treatment Group.
- Weight gain was not measured at the request of the feedyard manager.

Feedyard Trial	Zwickl Bar 6 Cellarat-ORE C.P.R.®	<u>Control</u>	<u>Treatment</u>
# of Head		869	921
Heifers or steers		steers	steers
1st Pulls		200	108
%		23.01%	11.73%
2nd Pulls		96	28
%		11.05%	3.04%
3rd Pulls		53	4
%		6.10%	0.43%
4th Pulls		32	1
%		3.68%	0.11%
5th Pulls		23	0
%		2.65%	0%
6th Pulls		10	0
%		1.15%	0%
7th Pulls		3	0
%		0.35%	0%
8th Pulls		1	0
%		0.12%	0%
Total Pulls		416	141
%		47.87%	15.31%
Chronics		53	4
%		6.10%	0.43%
Deads		6	0
%		0.69%	0%
Med. Cost/Head		\$6.46	\$3.30
Total Med. Cost		\$5,616.39	\$3,036.06

*Chronics = # of head pulled 3+ times

Med. Cost/Head = Total Med. Cost/Total # of Head

* Ore-Bac® Starter is a liquid supplement that combines trace minerals, proteins, vitamins and microbial cultures to get a calf's rumen into optimum digesting shape. Loomix® has successfully started over 25 million head of cattle on Ore-Bac® Starter.

** Cellarat-ORE CP®R is Ore-Bac® Starter combined with Cell-rate™.



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Protocol:

The purpose of this trial was to evaluate the effectiveness of Cellarat-ORE CPR^{®**} on the health status of newly arrived stressed calves to a feedlot environment. The feedlot involved in this trial has received cattle from New Mexico each of the past several years. The calves continued to have health issues upon arrival despite the fact that antibiotics and minerals have been given to the calves before arrival.

Calves were split into treatment and control groups. Treatment Group was fed 30 lbs. of Cellarat-ORE CPR^{®**}. Control Group was fed 30 lbs. of Ore-Bac Starter (no Cell-rate[™]). All other protocols were the same for control vs. treatment.

Additional Information

The Cellarat-ORE CPR[®] group initially weighed 53 lbs. more than the control group. After the 30 day trial, the Cellarat-ORE CPR[®] group weighed 78 lbs. more. This weight difference was not only maintained, but actually extended upon.

Summary of Results

- At day 76, the CPR[®] group weighed 91 lbs. more than the control group.
- Pull % with the Treatment Group was 6.18% compared to the Control Group which was 34.83%.
- Chronics were 11 in the Control Group compared to 1 in the Treatment Group.
- Average Daily Gain was 2.77 in the Treatment Group compared to 2.00 in the Control Group.
- Medication cost was \$4.19 cheaper per calf in the Treatment Group.

Colorado Feedlot
Cellarat-ORE
C.P.R.[®]

	<u>Control</u>	<u>Treatment</u>
# of Head	201	178
Heifers or steers	steers	steers
1st Pulls	32	6
%	15.92%	3.37%
2nd Pulls	17	3
%	8.46%	1.69%
3rd Pulls	11	1
%	5.47%	.56%
4th Pulls	7	0
%	3.48%	0%
5th Pulls	2	0
%	.99%	0%
6th Pulls	1	0
%	.50%	0%
7th Pulls	30	0
%	0%	0%
8th Pulls	0	0
%	0%	0%
Total Pulls	70	11
%	34.83%	6.18%
Chronics	11	1
%	5.47%	0.56%
Deads	0	0
%	0%	0%
Med. Cost/Head	\$5.96	\$1.77
Total Med. Cost	\$1,198.67	\$314.23
Beg. Wt.	435	488
End Wt.	493	571
ADG	2.0	2.77
DOF	29	30

*Chronics = # of head pulled 3+ times

Med. Cost/Head = Total Med. Cost/Total # of Head

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