



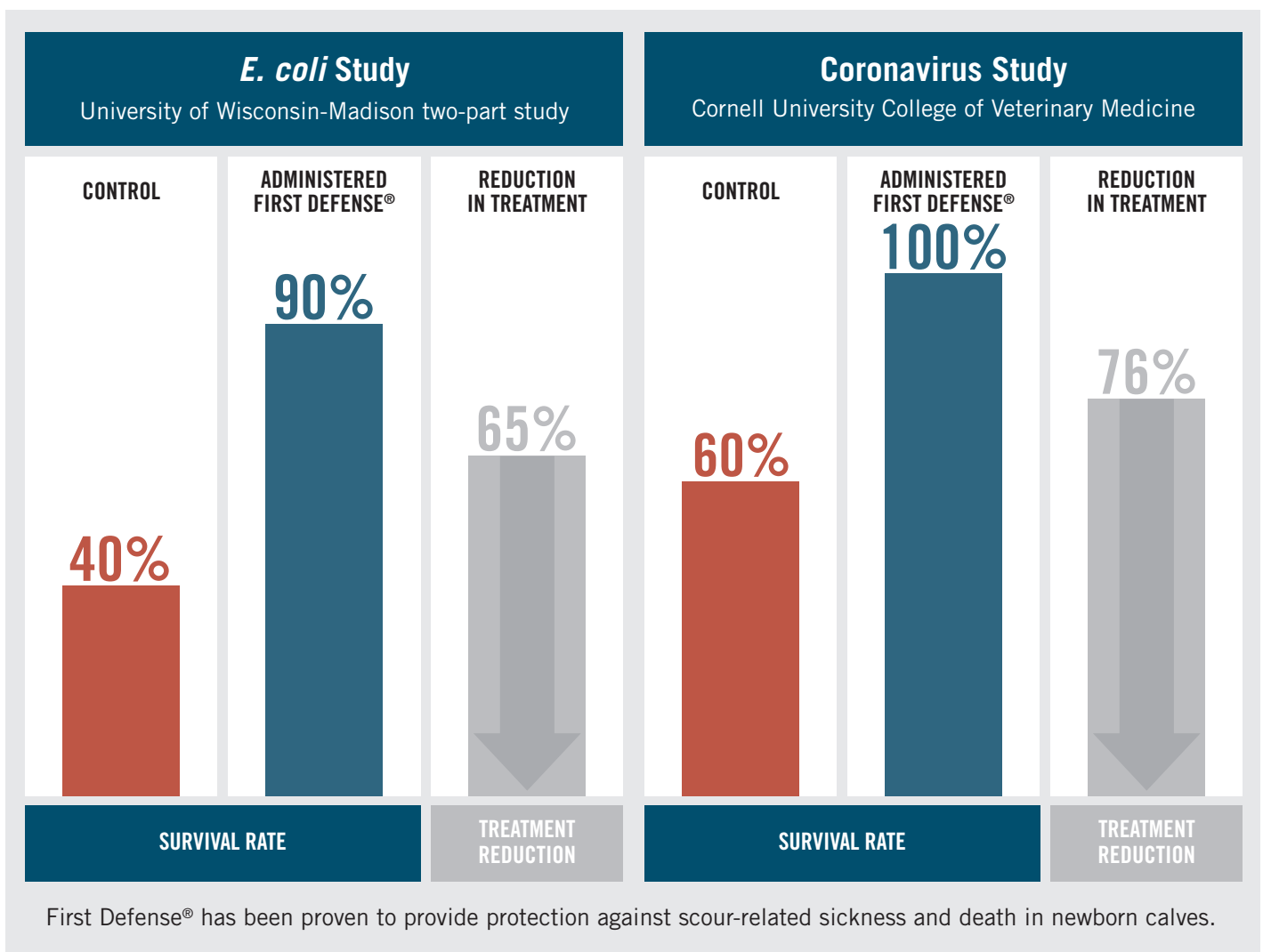
RESEARCH PROVEN



What USDA approval really means

“The manufacturer of a USDA licensed product must demonstrate that the product performs the way that the claims on the label say it’s going to perform. This is unlike supplements or feed additives which only describe what the material is without any proof of performance,” says Dr. Donna Gatewood, EDGE Veterinary Vaccines Consulting Group, LLC.

“If a product says it’s to prevent a particular disease, the manufacturer is required to complete trials to show that the product will prevent or treat that disease. These trials have strict USDA oversight and need to meet high statistical standards—data cannot be cherry picked.” says Dr. Gatewood.



First Defense® is the only USDA approved, colostrum-derived product proven to reduce illness and death from *E. coli* and coronavirus.



RESEARCH PROVEN



“The savings are dramatic, we were using egg antibodies for about two years. We still had a scour percentage morbidity of about 13.7% and we had a mortality rate of 4.8%. We swapped out the egg antibodies for First Defense® and within the first 90 days our scour rate dropped to 7% and our death loss on the first group of 90 day calves was 0.89%. The labor costs are lower. Everything runs smoother. It’s just invaluable.”

– **Edward Harness, DVM, Daytona Dairy, Preston, ID**



“The thing that I like about First Defense is that you give to the calf as soon as it’s born. There are some products on the market today that you have to give to the calf at birth and the recommendation is to wait 30 minutes or longer before you can feed colostrum. It’s so hard to tell a dairyman or a calf raiser to delay feeding colostrum when that’s the most important thing to give the calf.”

– **Steve Hayes, DVM, Day 1 Technology, Winona, MN**



“Prior to adding First Defense® to our regimen, our calves would always run into problems with salmonella after having scours seven to 10 days after birth. We have been using First Defense® at Cal Poly State University’s dairy unit and have seen calves getting through the first two weeks of life stage really successfully. We would recommend First Defense® to anyone. This product is simple to administer and produces results.”

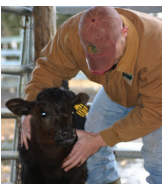
– **Rich Silacci, Cal Poly State University, San Luis Obispo, CA**



“The First Defense product is a hyper-immunized colostrum. The antibodies are condensed down into a bolus. Once it gets into the gut, those antibodies are absorbed and help protect the calf. Calving areas can get used over and over. That second half of that calving season, there is probably a lot antigens built up

– First Defense is a great supplement to provide some added protection.”

– **Lance Kurtz, DVM, Countryside Vet Clinic, Fullerton, NE**



“I recommend producers implement First Defense in their calf protocols even when using cow scour vaccines. First Defense provides calves with consistent protection by delivering a timely and accurate dose of antibodies they need to avoid scour outbreaks.”

– **Joe Strahm, DVM, Pender Vet Clinic, Pender, NE**



“We have been using First Defense® for the last 3-4 years and are really happy with the product. For us it’s important, it’s a big investment and a huge return. The product is convenient and versatile. Knowing we have protection as soon as the calf hits the ground is satisfying and comforting. This product gives assurance.”

– **Dan Kullot, DVM, Syracuse Dairy, Syracuse, KS**