



Prebiotic Liquid Supplement

Calf Issue	Excell Benefits
<ul style="list-style-type: none">• Calf scours• No stomach acid or proteolytic enzyme protection• Lack of or little colostrum protection	<ul style="list-style-type: none">• Excell aids in improving the health and microbial populations of the intestine (good bugs)• Help reduce intestinal pathogen populations in the GIT• Improve effectiveness of passive immunity of the colostrum
<ul style="list-style-type: none">• No rumen or GIT microflora at birth• Inoculation of rumen bacteria occurs by day 4 but development of rumen function is delayed until adequate diet fiber levels are reached	<ul style="list-style-type: none">• Excell will stimulate the rapid multiplication of intestinal bacteria which produce short chain fatty acids lowering gut pH and reducing pathogen load• Excell will accelerate the growth and population of rumen microflora, increase microbial protein and shift populations for improved VFA production
<ul style="list-style-type: none">• Naïve and immature immune system until 1-2 months of age	<ul style="list-style-type: none">• Excell modulates immune function by providing a non-specific immune stimulation of immune tissues, activating macrophage, enhancing phagocytosis of foreign cells and increased cytokine production
<ul style="list-style-type: none">• Calves develop scours at two-three weeks due to overload of pathogen challenge, underdeveloped and ineffective immune function	<ul style="list-style-type: none">• Excell will stimulate the rapid multiplication of intestinal bacteria which produce short chain fatty acids lowering gut pH and reducing pathogen load
<ul style="list-style-type: none">• Calves crash at weaning or in transition phase due to delayed rumen development	<ul style="list-style-type: none">• Excell will stimulate rumen microflora populations and provide a stronger rumen function able to digest and adsorb the new diets these calves are transitioned to