At Trans Ova Genetics, we use Calf’s Choice Total Gold with complete satisfaction by achieving consistently high rates of successful passive transfer in newborns. We know that high quality management systems are essential to afford calves the greatest opportunity to thrive and demonstrate their full genetic potential. Our colostrum feeding protocol helps us achieve the results our clients expect.

Dr. David Faber, President
Trans Ova Genetics
Sioux Center, Iowa

BOVINE IgG
Calf’s Choice Total® Gold

Natural bovine colostrum
Delivering high immunity

Natural Bovine Colostrum
- Made from only bovine colostrum. Simply colostrum. No blood, whey, egg or other ingredients not naturally found in maternal colostrum
- High in growth and antimicrobial factors; contains naturally high levels of IGF-1, EGF, lactoferrin, trypsin inhibitor and other colostral factors

High Immunity
- IgG molecules are readily absorbed for maximum immune protection
- > 85% IgG1 - The antibody most effective in providing local immunity and to reduce disease associated with failure of passive transfer
- Broad spectrum of antibodies with demonstrated efficacy in 4 continents

High in Colostral Fat
- An important energy source required by calves immediately after birth

Safe and Effective
- Free of pathogens that cause the following diseases: Tuberculosis, Brucellosis, Leucosis, Paratuberculosis (causing Johne’s disease), Salmonellosis, E. coli infection, others
- USDA Veterinary Biologics licensed for use as a total replacement for maternal colostrum in calves as an aid in the treatment of failure of passive transfer

Convenient
- Easily mixes in under 15 seconds!
- 3-year shelf life

REALIZE YOUR FULL GENETIC POTENTIAL

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www.sccl.com 1-866-242-3185
Calf's Choice Total®
Gold Colostrum

INDICATIONS
- Calf’s Choice Total® Gold has a high % IgG and is intended for calves needing extra immunity
- Gold is a natural bovine colostrum powder that is rich in colostral fat, a critical early source of energy for newborn calves
- Gold may be used to supplement or completely replace maternal colostrum
- Gold is an excellent source of IgG (over 85% in the form of IgG1), growth factors, and nutrients needed to improve calf survival, health, growth, and long term performance. Gold is not a manufactured formula based on blood serum, whey, eggs, vegetable fats or other ingredients not naturally found in colostrum.

FEEDING RECOMMENDATIONS
- The Dairy Calf and Heifer Association recommends feeding “colostrum equaling 10% of body weight [about 4 quarts for most Holstein calves] in the first 2 hours of life with target serum IgG of >10 mg/mL and total protein of >5.2 g/dL.”
- In a calf-feeding study filed with the Center for Veterinary Biologics of the USDA, calves fed 3 bags of Calf’s Choice Total® Gold achieved average serum IgG levels of 17.2 mg/mL and average serum total protein levels of 5.4 g/dL. These levels were achieved when completely replacing maternal colostrum with Calf’s Choice Total® Gold.
- To achieve a replacement dose, feed a minimum of 180g IgG as newer industry standards suggest 150-200g IgG for optimal calf performance. If supplementing, feed a minimum of 60-120g IgG in addition to sufficient maternal colostrum to target a similar overall mass of IgG.

To Completely Replace Maternal Colostrum
Choose the feeding level that achieves the desired levels of immunity for your calves.

<table>
<thead>
<tr>
<th>Number of Bags</th>
<th>Amount IgG Fed</th>
<th>Amount of Water</th>
<th>Avg Calf Serum IgG</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 (675g)</td>
<td>180g</td>
<td>9 cups</td>
<td>17.2 g/L</td>
</tr>
</tbody>
</table>

To Supplement Maternal Colostrum
Feed in addition to available maternal colostrum.

<table>
<thead>
<tr>
<th>Number of Bags</th>
<th>Amount IgG Fed</th>
<th>Amount of Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (225g)</td>
<td>60g</td>
<td>3 cups</td>
</tr>
<tr>
<td>2 (450g)</td>
<td>120g</td>
<td>6 cups</td>
</tr>
</tbody>
</table>

INGREDIENTS
- Natural Bovine Colostrum

TYPICAL ANALYSIS (PER BAG)
- Bovine IgG (60 g) 26.6%
- Crude Protein 58%
- Crude Fat 18%
- Reconstituted Volume 0.9 L

IMPORTANT PRODUCT FACTS
- Product Code X0009
- UPC Code 892899000205
- Quantity Per Bag 225 grams
- Quantity Per Case 30 bags
- Quantity Per Pallet 45 cases or 1350 bags