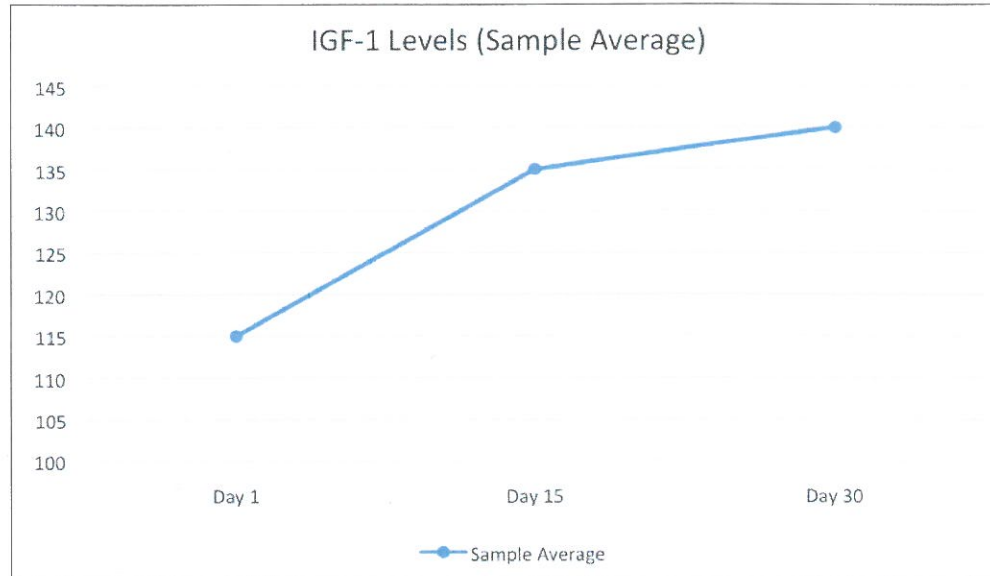


# BOVINE COLOSTRUM IS 7X MORE POTENT THAN HUMAN COLOSTRUM WITH CROSS SPECIES BIO-IDENTICALITY

## IGF-1 STUDY

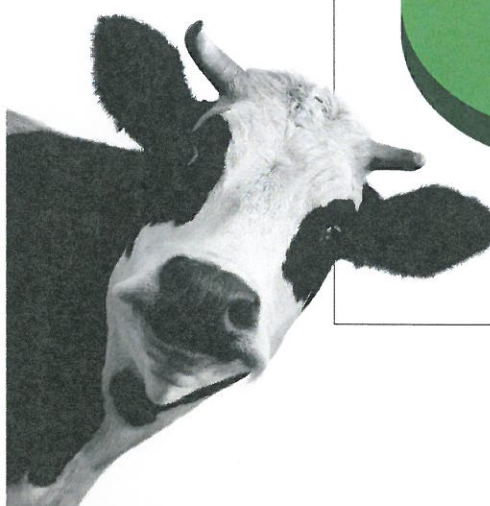
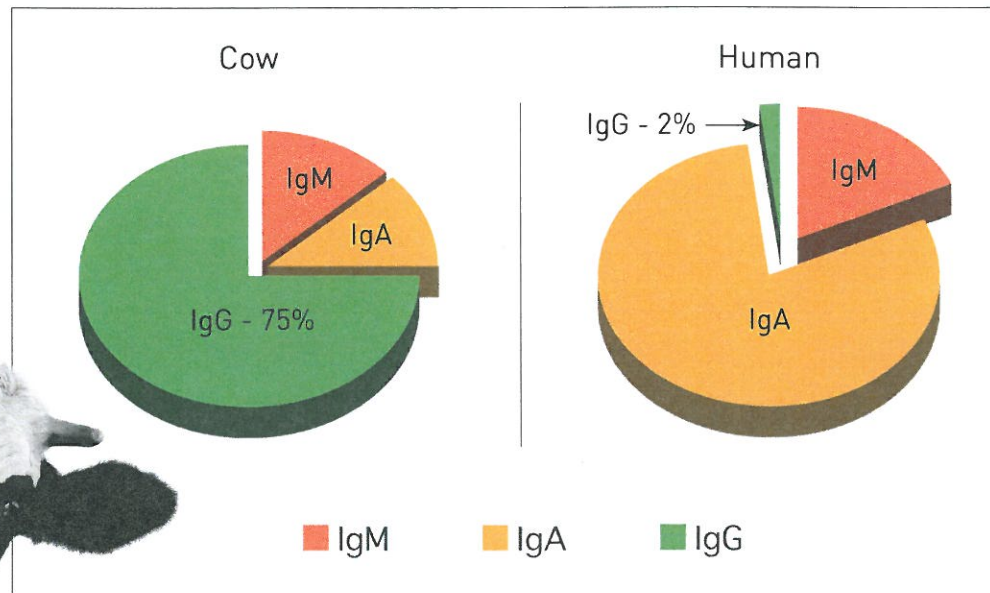
Cumulative values of the eight patients taking bovine Colostrum for one month at one gram b.i.d.



Source: The effects of Bovine Colostrum on IGF-1 levels and Quality of life in an elderly population. *Forever Young and Healthy*, Roger Y. Murray, M.D., Fellow A.B.V.L.M., P.A., 2006, pp 168.

## IgG STUDY

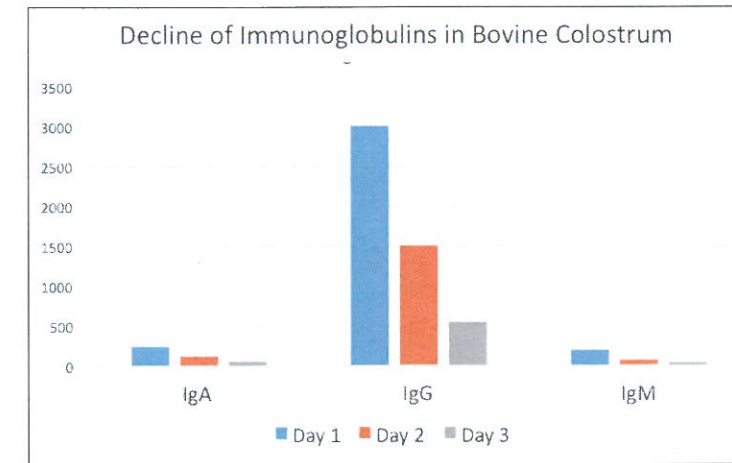
Distribution of IgG, IgM and IgA in Cows versus Humans. Human Colostrum has a low IgG of 2% where cow IgG is 75%.



## GROWTH FACTORS IN BOVINE COLOSTRUM

- IGF-1
- IGF-2
- Transforming Growth Factor Beta (TGF-B)
- Vasodoendothelial Growth Factor (VEGF)
- Epithelial Growth Factor (EGF)
- Fibroblast Growth Factor (FGF)
- Gonadotropin Releasing Growth Factor (GnRGF)
- Tumor Necrosing Factor (TNF)

## DECLINE OF IMMUNOGLOBULINS IN BOVINE COLOSTRUM DURING THE FIRST THREE DAYS POST-PARTURITION



## ANTIBODY ACTIVITY OF BOVINE COLOSTRUM COLLECTED DURING THE FIRST TEN HOURS POST-PARTURITION

ANTIGEN	RECIPROCAL ANTIBODY TITERS CONTAINED
Escherichia coli	640
Pseudomonas aeruginosa	640
Klebsiella pneumoniae	640
Proteus vulgaris	80
Serratia marcescens HY	1280
Salmonella typhimurium	160
Staphylococcus aureus	640
Staphylococcus epidermidis	160
Staphylococcus pyogenes	160
Staphylococcus faecalis	160
Streptococcus B	80
Candida albicans	320
Cryptosporidia oocysts	100
Campylobacter jejuni (outer surface antigens)	1280
Helicobacter pylori	640
Shiga-like toxin	1600
Rotavirus	32