



Colostrum is the first natural food produced by female mammals during 24-36 hours directly after giving birth. Chemically, Colostrum is a very complex fluid rich in nutrients, antibodies provide passive immunity to the new born calf, whereas the growth of the gut.

The other antimicrobial components of colostrum includes lactoferrin, lysozyme and lactoperoxidase. Bovine Colostrum has also been used as a raw material for immunoglobulin-rich commercial product (IMMUNE MILK PREPARATION)

These products can be given orally to patients who are suffering infections of the gastrointestinal tract or in order to prevent these infections. Usually, however the cow have to be hyperimmunized against micro organisms, if specific antibodies are required.

Several animal studies have shown that the growth factors in Bovine Colostrum, especially insulin-like growth factor, stimulate all growth in the gut. Bovine Colostrum is also known to contain insulin, transforming growth FACTOR B and related growth factors, but their function in Colostrum is not fully understood.

Small amount of these growths can also be detected in normal milk. Growth factors as well as antimicrobial factors of Colostrum may be used as potential components in clinical nutrition in the future.

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