

Whey Protein or Skim?

FACT SHEET

Which dairy protein is right for your calves?

Dairy ingredients are the main source of protein used in Calf Milk Replacers –Whey proteins or Skim proteins.

What is the difference between Whey and Skim proteins?

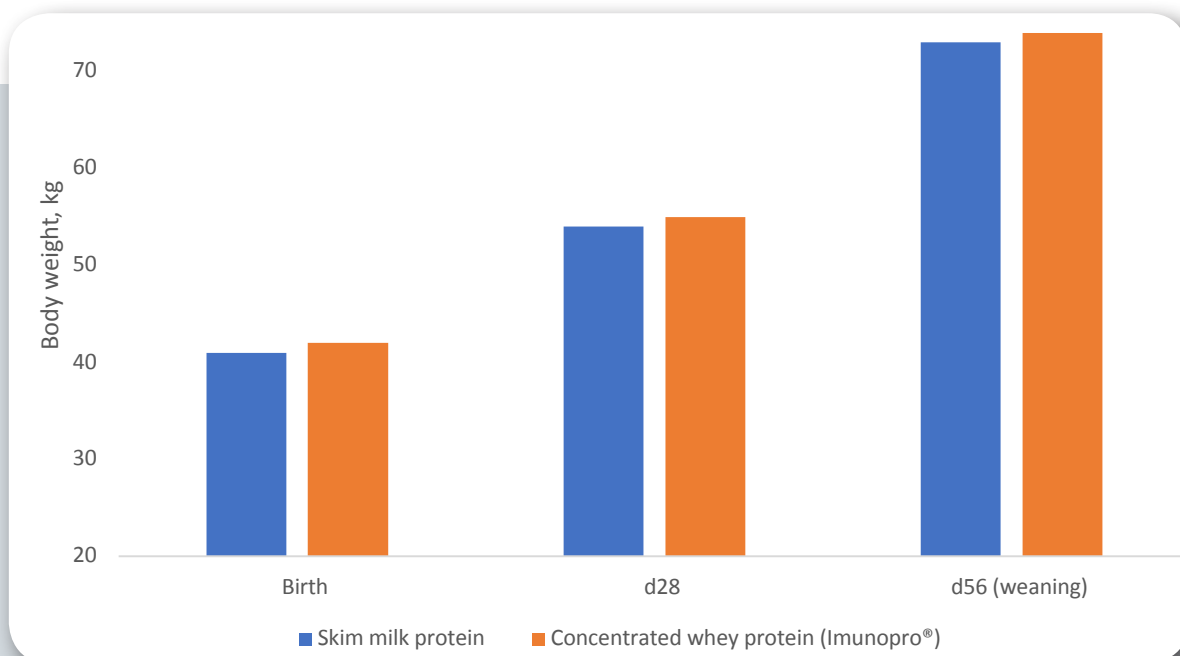
Whey proteins do not form a clot within the abomasum, they pass readily into the small intestine and are easily digestible.

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Do both Whey proteins & Skim proteins deliver good calf performance and growth?

YES

Holstein calves fed milk replacer containing whey protein have the same growth rates as those being fed a skim-based product.



Ref: Volac Calf Trial, AFBI Hillsborough 2018/19



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Remember it is the quality and processing of the dairy protein (of both whey & skim) that are used in a milk replacer which is the most important, not necessarily the type of protein. In addition, not all whey is the same - whey powder is lower in protein than concentrated whey protein (**IMUNOPRO**[®]).

Whey proteins contain high levels of immunoglobulins and amino acids which are crucial for calf development (colostrum contains 65% whey protein, which is three times the amount in whole milk). However, it is important to remember that all whey proteins in Calf Milk Replacer are not the same - quality dairy protein and specialised manufacture is key to capturing these all-important nutrients.

Concentrated goodness for your calves

Volac uses low temperature evaporation and ultrafiltration to process our high-quality whey, this ensures that the bioactive compounds the calf needs for growth and development are not damaged. The result of this unique manufacturing process is **IMUNOPRO**[®] which is unique to Volac and present in all Volac manufactured milk replacer.



IMUNOPRO[®] contains high levels of immunoglobulins and amino acids, which are essential in immune system development and are vital for good muscle growth. **IMUNOPRO**[®] also contains high levels of lactoferrin which has been shown to reduce scours. These bioactive compounds are not available in casein (skim proteins).

For more information on dairy protein or any milk replacer queries please contact your Local Volac Business Manager.



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