



1 de novo FA: short chain FA (14 carbons or less) synthesized exclusively in the mammary gland from butyrate and acetate, two precursors that come from rumen fermentation.

2 Mixed FA: 16 carbon FA derived from mammary gland synthesis (*de novo*) or the blood (feed or mobilization of body reserves).

3 Preformed FA: long chain FA (15, 17 and 18 carbons or more) mainly derived from feed or mobilization of body reserves.

Polyunsaturated: FA with more than one double bonds, an increase in the milk reflects an increase in the ingestion of polyunsaturated FA or a problem with biohydrogenation. All polyunsaturated FA are preformed FA.