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Rumen fermentation, methane concentration and fatty acid proportion in the rumen and milk of dairy cows fed condensed tannin and/or fish-soybean oils blend

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Highlights:

- In RUSITEC system blend of oils modulates fatty acid proportion regardless the presence of tannins.
- The proportion of unsaturated fatty acids in the milk was not affected by oils blend x tannin mixture.
- Oils blend x tannin mixture decreased methane concentration.

Abstract

Two experimental factors (extract from *Vaccinium vitis idaea* (VVI) and blend of fish-soybean oils) were investigated in three consecutive experiments to monitor their effects on rumen fermentation and fatty acid (FA) proportions in the rumen fluid and milk. Firstly, *in*

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