

A feeding trial:
Animals
40 female Holstein calves (6 experimental sites)
Ctl: control group (n =14)
CE: cellooligosaccharide group (n=13)
SB: CE + CI. butyricum group (n=13)
Feeding
MR (3-45d), alfalfa hay (46d-), CS (3-90d, MAX 2.4kg/d), concentrate (91d-) CE (3-45d, 5g/d; 46-90d, 10g/d) for CE, SB group
<i>Cl. Butyricum</i> (3-90d, 10 <sup>8</sup> cfu/d) for SB group <i>Measurements</i>
<ul> <li>Health, feed intake (daily), body weight (weekly)</li> <li>Organic acid &amp; microbial community of the rumen (13 wk and 17 wk )</li> </ul>











