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& Jimmy Clark, 2003; Melendez et al., 2005 & Phipps et al., 2000)

(Ipharraguerre & Jimmy Clark, 2003)

(Heuer et al., 2001; Ipharraguerre

1. Inophores

(Ipharraguerre &
Jimmy Clark, 2003; Melendez et al., 2005; Phipps
et al., 2000 & Russel & Strob,el 1989)



(Hoedemaker et al., 2004 &
Overton et al., 1999)

(Ipharraguerre & Jimmy Clark, 2003; Richardson et
Bergan & Bates; al., 1976; Russel & Strobel, 1989
.1984)

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(Bergan & Bates, 1984; Duffild et al., 2003;
Richardson et al., 1976; Ruiz et al., 2001 & Russel
& Strob,el 1989)

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Hoedemaker et)
(al., 2004 & Overton et al., 1999

(Ipharraguerre &
Jimmy Clark, 2003 & Russel & Strob,el 1989)

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(Ipharraguerre & Jimmy
Clark, 2003 & Sauer et al., 1998)

pH

(Ingavartsen, 2006; Pickett et al., 2003;
USDA., 2002 & Vaughn et al., 1993)

(Hoedemaker et al., 2004; Ingavartsen, 2006 &
Sauer et al., 1998)

(Ipharraguerre & Jimmy Clark, 2003; Richardson et
al., 1976; Ruiz et al., 2001)

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1. Lipophilic
 2. megasphaera elsdnii and selenomonas ruminanti
 3. acrylate pathway

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(Ipharraguerre & Jimmy Clark, 2003; Melendez et al., 2005 & Phipps et al., 2000)

(Ipharraguerre & Jimmy Clark, 2003 & Melendez et al., 2005)

(Ipharraguerre & Jimmy Clark, 2003; Nielsen and Ingartsen 2004 & Phipps et al., 2000)

(Ipharraguerre & Jimmy Clark, 2003; Nielsen and Ingartsen 2004 & Phipps et al., 2000)

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PROC SAS

MIXED

$$Y_{ijke} = \mu + L_i + T_j + A_k + P_e + (T \cdot P)_{ie} + E_{ijke}$$

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= Y_{ijke}

= μ

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i = L_i

j = T_j

k = A_k

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= P_e

()

= E_{ijke}

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(P< /)

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(FCM)³

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pH (P< /)

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1. autoanalyzer
 2. hitachi, model 911
 3. Fat Corrected Milk

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(Murphy et al., 2003)

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SEM					
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$$\begin{aligned}
 & \text{(\%) FCM} = \left(\frac{\text{SEM}}{\text{SEM}} \times \text{SEM} \right) + \left(\frac{\text{SEM}}{\text{SEM}} \times \text{SEM} \right) \\
 & \text{(Standard error of mean)} \qquad \qquad \qquad \text{SEM} \qquad \qquad \qquad \text{SEM}
 \end{aligned}$$

SEM					
/	/ a	/ ab	/ ab	/ b	()
/	/ a	/ ab	/ ab	/ b	()
/	/ b	/ ab	/ ab	/ a	()
/	/	/	/	/	()
/	/	/	/	/	()
/	/	/	/	/	()
/	/	/	/	/	pH

(Standard error of means)

/

b a

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