Morrison, R. L. and Williams, J. E. (1983) *J. Anim. Sci.* 57:1537-1544. 52. Perl, S., Shlosberg, A., Hoida, G., Davidson, M., Yakobson, B. and Orgad, U. (1991) *Vet. Rec.* 129:35-36. 53. Poos, M. I., Hanson, T. L. and Klopfenstein, T. J. (1979) *J. Anim. Sci.* 48:1516-1524. 54. Potter, E. E., Muller, R. D., Wray, M. I. , Carroll, L. H. and Meyer, R. M. (1986) *J. Anim. Sci.* 62:583-592. 55. Prange, R. W., Davis, C. L. and Clark, J. H. (1978) *J. Anim. Sci.* 46:1120-1124. 56. Purvis, H.T. II and Whittier, J. C. (1996) *J. Anim. Sci.* 74:736-744. 57. Rode, L. M., Lysyk, T. J. and Beauchemin, K. A. (1994) *Can. J. Anim. Sci.* 74:77-82. 58. Rogers, J. A. and Davis, C. L. (1982) *J. Dairy Sci.* 65:944-952. 59. Rollinson, J. F. Taylor, G. R. and Chesney, J. (1987). *Vet. Rec.* 121:126-128. 60. Rush, I., Weichenthal, B. and Van Pelt, B. (1996) *1996 Nebraska Beef Cattle Report* pp. 69-70. 61. Spears, J. W. (1990) *J. Nutr.* 120:632-638. 62. Spears, J. W., Burns, J. C. and Wolfrom, G. W. (1989) *J. Anim. Sci.* 67:547-556. 63. Spears, J. W., Schricker, B. R. and Burns, J. C. (1989) *J. Anim. Sci.* 67:2140-2149. 64. Sprott, L. R., Goehring, T. B., Beverly, J. R. and Corah, L. R. (1988) *J. Anim. Sci.* 66:1340-1346. 65. Sticker, L. S., Bunting, L. D., Wyatt, W. E. and Wolfrom, G. W. (1991) *J. Anim. Sci.* 69:4273-4278. 66. Stock, R. A., Laudert, S. B., Stroup, S. B., Larson, E. M., Parrott, J. C. and Britton, R. A. (1995) *J. Anim. Sci.* 73:39-44. 67. Stuart, J. C. (1983) *Vet. Rec.* 113:597. 68. Suda, K., Hiramatsu, M., Kobajashi, Y., Motoi, Y., Wakita, M. and Hoshino, S. (1995) *Anim. Sci. Tech.* 66:869-874. 69. Thomas, V. M., McInerney, M. J. and Kott, R. W. (1988) *J. Anim. Sci.* 66:783-791. 70. Vagnoni, D. B., Craig, W. M., Gates, R. N., Wyatt, W. E. and Southern, L. L. (1995) *J. Anim. Sci.* 73:1793-1802. 71. Van Haldern, A.,Bastianello, S. S., Fourie, N. and Zumpt, I. F. (1993) *J. S. AFR. Vet. Assoc.* 64:43-46. 72. Van Maanen, R. W., Herbein, J. H., McGilliard, A. D. and Young, J. W. (1978) *J. Nutr.* 108:1002-1007. 73. Van Vleet, J. F., Amstutz, H. E., Weirich, W. E., Rebar, A. H. and Ferrans, V. J. (1983a) *Amer. J. Vet Res.* 44:1460. 74. Van Vleet, J. F., Amstutz, H. E., Weirich, W. E., Rebar, A. H. and Ferrans, V. J. (1983b) *Amer. J. Vet Res.* 44:2133. 75. Waggoner, J. K., Cecava, M. J. and Kazacos, K. R. (1994) *J. Dairy Sci.* 77:349-353. 76. Worrell, M. A.,Undersander, D. J., Thompson, C. E. and Bridges, W. C. Jr. (1990) *J. Anim. Sci.* 68:1151-1157. 77. Zinn, R. A. (1986a) *J. Anim. Sci.* 63:1996-2004. 78. Zinn, R. A. (1896b) *J. Anim. Sci.* 63:2005-2012. 79. Zinn, R. A.,Shen, Y., Adam, C. F., Tamayo, M. and Rosalez, J. (1996) *J. Anim. Sci.* 74:1462-1469.

Abstract

Bovine immunodeficiency-like virus: inactivation in milk by pasteurisation

C. Venables, R. Lysons, M. Horigan, D. Stagg, M. Dawson
Veterinary Record (1997) **140**, 275-277

Bioassay was used to determine whether bovine immuno-deficiency-like virus (BIV) in milk was inactivated by pasteurisation. Three groups of three calves were inoculated with virus (BIV isolate FL112), milk seeded with virus and milk seeded with virus that had been pasteurised before inoculation, respectively. Seroconversion to BIV was monitored for 12 months by an indirect immunofluorescence assay. The presence of BIV proviral DNA in peripheral blood was determined by a nested polymerase chain reaction (PCR). The animals were euthanased and virus isolation and PCR were attempted on peripheral blood mononuclear cells, prescapular lymph node and spleen. Transmission of BIV was confirmed in the groups that were inoculated with the virus and with the virus in milk, but no evidence of its transmission was demonstrated in the group that received the pasteurised inoculum.