Animals: Female and male P/E ^{-/-} mice with a mixed 129/Sv x C57BL/6 background were evaluated. This genetically al-

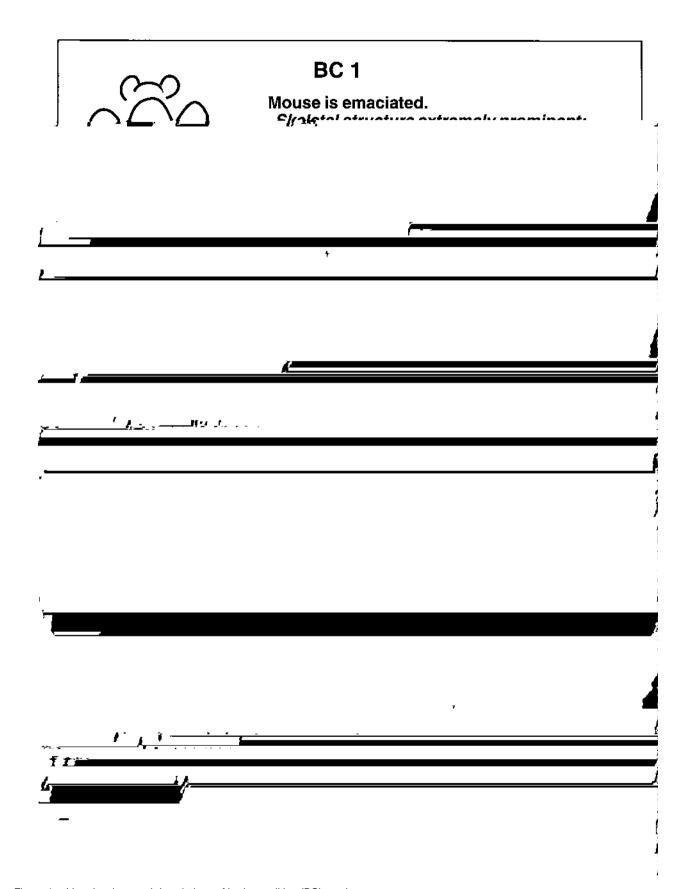


Figure 1. Line drawings and descriptions of body-condition (BC) scoring.

Vol 49, No 3 Laboratory Animal Science June 1999

In this study, BCS was documented to correlate to the selected index of the health status (WBC count) in the male and female experimental groups, proving BC scoring an accurate indicator of health status. In the male mice, WBC count was also documented to correlate well with BW. In contrast, for the female mice, a nonsignificant correlation between WBC count and BW indicated that BW was uninformative for monitoring the health status of female mice with enlarged organs or dis-

- Redgate, E. S., M. Deutsch, and S. S. Boggs. 1991. Time of death of CNS tumor-bearing rats can be reliably predicted by body weight-loss patterns. Lab. Anim. Sci. 41:269D273.
- Olfert, E. D. 1996. Considerations for defining an acceptable endpoint in toxicological experiments. Lab Anim. 25(3) 38D43.
- Domecq, J. J., A. L. Skidmore, J. W. Lloyd, et al. 1995. Validation of body condition scoring with ultrasound measurements of subcutaneous fat in dairy cows. J. Dairy Sci. 78: 2308D2313.
- Ferguson, J. D., D. T. Galligan, and N. Thomsen. 1994. Principal descriptors of body condition score in Holstein cows. J. Dairy Sci. 77:2695D2703.
- Ferguson, J. D. 1996. Implementation of a body condition scoring program in dairy herds. In Feeding and managing the transition cow. Proceedings of the Penn Annual Conference, University of Pennsylvania, Center for Animal Health and Productivity, Kennett Square, Pa.
- Herd, D. B., and L. R. Sprott. 1987. Body condition, nutrition and reproduction of beef cows. Texas Agricultural Extension Service. Bulletin no. 1526. Texas A & M University System, College Station, Texas.
- Honhold, N., H. Petit, and R. W. Halliwell. 1989. Condition scoring scheme for small East African goats in Zimbabwe. Trop. Anim. Health Prod. 21:121D127.
- Sanson, D. W., T. R. West, W. R. Tatman, et al. 1993. Relationship of body composition of mature ewes with condition score and body weight. J. Anim. Sci. 71:1112Đ1116.

- Carroll, C. L., and P. J. Huntington.
 scoring and weight estimation of horses. Equine Vet. J. 20: 41D45
- Kunkle, W. E., and R. S. Sand. 1991. Effect of body condition on rebreeding. Fact sheet AS 51, extracted from Factors affecting calf crop (Butterworth-Heinemann, Stoneham, Mass.) of the Department of Animal Sciences, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
- Ruegg, P. L., and R. L. Milton.
 1995. Body condition scores of Holstein cows on Prince Edward Island, Canada: relationships with yield, reproductive performance and disease.
 J. Dairy Sci. 78:552D564.
- 17. Frenette, P. S. 1997. Personal communication.
- 18. Glass, G. V., and K. D. Hopkins.