Harlan, in collaboration with Access Technologies and Tracy H. Vemulapalli, DVM, MS Postdoctoral Fellow, Laboratory Animal Medicine Department of Pathobiology Purdue University, have completed a study using Hsd:Sprague Dawley® SD® rats to evaluate recommendations for improved patency and biocompatibility in catheterized animals. This study, presented at the 2007 National AALAS Meeting, provides statistical patency benefit to rounded-tip jugular vein catheters\(^2,6,9,10\) and heparin locking solutions\(^5,8,9,10\). From these results, and support in literature involving clinical work, Harlan has made available the Harlan Rounded Tip Catheter for vascular access in catheterized rats.

**Benefits**
- Increased long term patency, with a flushing interval of 5–7 days
- Reduced maintenance requirements
- No additional cost for both tip configurations

**Bibliography**
10. Vemulapalli, T. H., Redenburg, N. J., Caraker, S. M., & Stevens, K. A. Evaluation of the effect of rounded tip and catheter lock solution on patency and tissue reactivity of indwelling jugular catheters in rats (manuscript in preparation). Purdue University, West Lafayette, IN, USA.

**Fig.** The relationship between rounded tip and blunt tip catheter configurations on Hsd:Sprague Dawley® SD® rats with both 500IU Heparin and Taurolidine Citrate locking solutions. Catheter maintenance was completed at seven day intervals for the length of the study.