



Journal of Andrology, Vol 6, Issue 5 271-278, Copyright © 1985 by The American Society of Andrology

JOURNAL ARTICLE

Culture of ciliated and nonciliated cells from rat ductuli efferentes

S. W. Byers, N. A. Musto and M. Dym

The isolation and culture of ciliated and nonciliated cells from rat ductuli efferentes is described. Fragments of epithelium obtained after two collagenase digestions attached to plastic and to extracellular matrix and could be maintained in culture for at least 2 weeks. Ciliary beating in cells grown on epididymal extracellular matrix-coated plastic could be observed for up to 7 days in culture. Although cells maintained on this substrate retained organelles characteristic of cells in vivo, they assumed a flattened, squamous appearance. In contrast, cells growing on the surface of permeable supports impregnated with extracellular matrix were polarized and exhibited a cuboidal/columnar appearance. Androgen binding protein conjugated to colloidal gold was taken up by these cells via coated pits and was found sequentially in uncoated endosomes, multivesicular bodies and lysosomes.

This article has been cited by other articles:



Journal of **ANDROLOGY**

► **HOME**

Y. Araki, K. Suzuki, R. J. Matusik, M. Obinata, and M.-C. Orgebin-Crist
Immortalized Epididymal Cell Lines From Transgenic Mice
Overexpressing Temperature-Sensitive Simian Virus 40 Large T-Antigen Gene

J Androl, November 1, 2002; 23(6): 854 - 869.

[\[Abstract\]](#) [\[Full Text\]](#) [\[PDF\]](#)

This Article

- [Full Text \(PDF\)](#)
- [Alert me when this article is cited](#)
- [Alert me if a correction is posted](#)

Services

- [Similar articles in this journal](#)
- [Similar articles in PubMed](#)
- [Alert me to new issues of the journal](#)
- [Download to citation manager](#)

Citing Articles

- [Citing Articles via HighWire](#)
- [Citing Articles via Google Scholar](#)

Google Scholar

- [Articles by Byers, S. W.](#)
- [Articles by Dym, M.](#)
- [Search for Related Content](#)

PubMed

- [PubMed Citation](#)
- [Articles by Byers, S. W.](#)
- [Articles by Dym, M.](#)