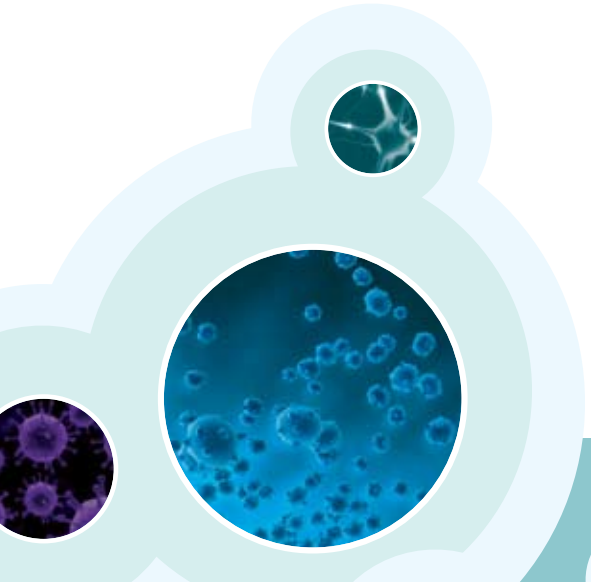
bio outsource
cGMP compliant biotesting

Publications

The following is a list of publications from the BioOutsource team:

1. **Galbraith DN. (2004).** Developing new infectivity assays. *Dev Biol* **118**, 47-53.
2. **Nairn C, Lovatt A, Galbraith DN. (2003).** Detection of infectious bovine polyomavirus. *Biologicals* **31**, 303-306.
3. **Shepherd AJ, Wilson NJ, Smith KT. (2003).** Characterisation of endogenous retrovirus in rodent cell lines used for production of biologicals. *Biologicals* **31**, 251-260.
4. **Reid GG., Milne EW., Coggins LW., Wilson NJ., Smith KT. & Shepherd AJ. (2003).** Comparison of electron microscopic techniques for enumeration of endogenous retrovirus in mouse and Chinese hamster cell lines used for production of biologics. *J Virol Methods* **108**, 91-96.
5. **Galbraith DN. (2002).** Transmissible spongiform encephalopathies and tissue cell culture. *Cytotechnology* **39**, 117-124.
6. **Galbraith DN. (2000)**. Regulatory and microbiological safety issues surrounding cell and tissue-engineering products. *Biotechnol Appl Biochem* **40**, 35-39.
7. **Smith K. (2000)**. Problems associated with PCR testing : PCR versus culture. In *Mycoplasma Testing: the potentialities and role of PCR tests Pharmeuropa* **2000**, 65- 70.
8. **Galbraith, D.N., Kelly HT, Dyke A, Reid G, Haworth C, Beekman J, Shepherd A, & Smith KT. (2000)**. Design and validation of immunological tests for the detection of Porcine endogenous retrovirus in biological materials. *J Virol Methods* **90**, 115-124.
9. **Lovatt A., Black J., Galbraith D., Doherty I., Moran MW., Wilson N., Shepherd AJ. & Smith KT. (1999).** Testing for adventitious retroviruses using PCR-based reverse transcriptase assays. In *Animal Cell Technology: Products from Cells, Cells as Products*, pp.513-515. Edited by A. Bernard, B. Griffiths, W. Noe & W Wurm. The Netherlands: Kluwer Academic Publishers.
10. **Lovatt A, Black J, Galbraith D, Doherty I, Moran MW, Shepherd AJ, Griffen A, Bailey A, Wilson N, & Smith KT. (1999).** High throughput detection of retrovirus-associated reverse transcriptase using an improved fluorescent product enhanced reverse transcriptase assay and its comparison to conventional detection methods. *J Virol Methods* **82**, 185-200.
11. **Shepherd AJ. & Smith KT. (1998).** Viral Evaluation of Animal Cell Lines Used in Biotechnology . In *Methods in Biotechnology, Vol. 8: Animal Cell Biotechnology,* pp. 23-36. Edited by: N. Jenkins. Totowa NJ: Humana Press Inc.
12. **Froud SJ, Birch J, McLean C, Shepherd AJ, Smith KT. (1997).** Viral contaminants found in mouse cell lines used in the production of biological products. In *Animal Cell Technology: From Vaccines to Genetic Medicine,* pp 681-686. Edited by MJT Carrondo, B Griffiths & JLP Moreira. The Netherlands: Kluwer Academic Publishers.
13. **Smith KT, Shepherd AJ, Boyd JE, Lees GM.(1996).** Gene delivery systems for use in gene therapy: an overview of quality assurance and safety issues. Gene Ther **3**, 190-200.