

Veröffentlichungen:

Sandberg, H., **Lütkemeyer, D.**, Kuprin, S., Wrangel, M., Almstedt, A., Persson, P., Ek, V., Mikaelsson, M. (2006)

Mapping and partial characterization of proteases expressed by a CHO production cell line. *Biotechnol Bioeng*. 95, Issue 5 , 961 – 971

T. Scherer, T, Poggendorf, I, Schneider, A, Westhoff, D., Zhang, J., **Lütkemeyer, D.**, Lehmann, J., Knoll, A. (2003)

A Service Robot for Automating the Sample Management in Biotechnological Cell Cultivations. In: Emerging technologies and factory automation, page 383-390

IEEE INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND FACTORY AUTOMATION PROCEEDINGS; Lisbon

Lütkemeyer, D., Ameskamp, A., Priesner, C., Bartsch, EM, Lehmann, J. (2001)

Capture of proteins from mammalian cells in pilot scale using different STREAMLINE adsorbents. *Bioseparation*, Volume 10, Numbers 1-3, 57-63

Poggendorf, I., **Lütkemeyer, D.**, Scherer, T., Zhang, J., Knoll, A., Lehmann, J. (2001) Using an industrial robot arm for monitoring cultivations of mammalian cells in pilot scale.

In: *Modelling and Control of Biotechnological Processes, 8th International Conference on Computer Applications in Biotechnology*, D. Dochain, M. Perrier (eds.), Elsevier Science, 480-485

Brinkmann M., **Lütkemeyer D.**, Gudermann F., Lehmann J. (2001)

New technologies for automated cell counting based on optical image analysis "The Cellscreen".

In: *E. Lindner-Olsson, N. Chatzissavidou, E. Lüllau (eds.) Animal cell Technology: From Target to Market*. Kluwer Academic Publishers, 269-273

Lütkemeyer D., Poggendorf I., Scherer T., Zhang J., Knoll A., Lehmann J. (2001) Robot automation of sampling and sample management during cultivation of mammalian cells in pilot scale.

In: *E. Lindner-Olsson, N. Chatzissavidou, E. Lüllau (eds.) Animal cell Technology: From Target to Market*. Kluwer Academic Publishers, 459-462

Werner A., **Lütkemeyer D.**, Poggendorf I., Hasselmann H., Müthing J., Vestweber D., Lehmann J. (2001)

Pilot scale production and purification of a soluble E-selectin-IgG chimeric antibody.

In: *E. Lindner-Olsson, N. Chatzissavidou, E. Lüllau (eds.) Animal cell Technology: From Target to Market*. Kluwer Academic Publishers, 114-117

Stiens, L.R., Büntemeyer, H., **Lütkemeyer, D.**, Lehmann, J., Bergmann, A., Weglöhner, W. (2000)

Development of serum-free bioreactor production of recombinant human thyroid stimulating hormone receptor.

Biotechnol. Prog. 16, No. 5, 703-709

Lütkemeyer, D., Poggendorf, I., Scherer, S., Zhang, J., Knoll, A., Lehmann, J. (2000)

First Steps in Robot Automation of Sampling and Sample Management during Cultivation of Mammalian Cells in Pilot Scale.

Iding, K., **Lütkemeyer, D.**, Fraune, E., Gerlach, K., Lehmann, J. (2000)
Influence of Alterations in Culture Condition and Changes in Perfusion Parameters
on the Retention Performance of a 20- μ m Spinfilter during a Perfusion Cultivation of
a recombinant CHO Cell Line in Pilot Scale.

Cytotechnology, 34, 141-150

Chen, Z., Iding, K., **Lütkemeyer, D.**, Lehmann, J. (2000)
A low-cost chemical defined protein free medium for a recombinant CHO cell line
producing prothrombin. *Biotechnology Letters* 22, 837-841

Lütkemeyer D, Heidemann R, Tebbe H, Gudermann F, Schmidt M, Raditsch M,
Lehmann J (1999)

Pilot Scale Production of Human Prothrombin using a rCHO Cell Line

*In: A. Bernard et al. (eds.) Animal Cell Technology: Products from Cells, Cells as
Products*, Kluwer Academic Publishers, 99-101

Hawerkamp A, **Lütkemeyer D**, Falkenhain A, Gudermann F, Büntemeyer H,
Lehmann J (1999)

Endogenous Retroviral Particles and their Effects on the Growth Behavior of
Hybridoma Cultivation Processes

*In: A. Bernard et al. (eds.) Animal Cell Technology: Products from Cells, Cells as
Products*, Kluwer Academic Publishers, 509-511

Ameskamp N, Priesner C, Lehmann J, **Lütkemeyer D** (1999)

Pilot Scale Recovery of Monoclonal Antibodies by Expanded Bed Ion Exchange
Adsorption. *Bioseparation* 8, 169-188

Lütkemeyer D, Ameskamp N, Tebbe H, Wittler J, Lehmann J (1999)

Estimation of Cell Damage in Bench and Pilot Scale Affinity Expanded Bed
Chromatography for the Purification of Monoclonal Antibodies

Biotechnol. Bioeng. 65, 1, 114-119,

Hawerkamp A., **Lütkemeyer D.**, Gudermann F., Falkenhain A., Büntemeyer H.,
Lehmann J. (1998)

Effects on growth behavior in continuous hybridoma cell cultures: The role of viral
contamination. *Cytotechnology* 28, 19-29

Priesner, C., Ameskamp, N., **Lütkemeyer, D.**, Lehmann, J. (1998)

Direct Capture of Monoclonal Antibodies with a New High Capacity Streamline SP XL
Ion Exchanger

*In: O.-W. Merten et al. (eds.) New Developments and New Applications in Animal
Cell Technology*, Kluwer Academic Publishers, 429-431

Heidemann, R., **Lütkemeyer, D.**, Büntemeyer, H, Lehmann, J. (1998)

Effects of dissolved oxygen levels and the role of extra- and intracellular amino acid
concentrations upon the metabolism of mammalian cell lines during batch and
continuous cultures. *Cytotechnology* 26, 185-197

Lütkemeyer, D., Ameskamp, N. (1997)

Purification of Murine IgG1 from Cell Culture Broth by Expanded Bed Adsorption at
Lab Scale.

Application Note Streamline rProtein A, Pharmacia Biotech

Ameskamp, N., **Lütkemeyer, D.**, Tebbe, H., Lehmann, J. (1997)
Downstream Processing im Pilotmaßstab: Direkte affinitätschromatographische
Aufreinigung monoklonaler Antikörper aus Hybridomkulturen im stabilen Fließbett.
Bioscope, 5, 3, 14-22

Ameskamp, N., **Lütkemeyer, D.**, Tebbe, H., Wittler, J., & Lehmann, J. (1997)
Purification of murine IgG1 from spent culture medium by expanded bed adsorption
chromatography.
Science Tools from Pharmacia Biotech 2, 1

Ameskamp, N., **Lütkemeyer, D.**, Tebbe, H., Wittler, J. & Lehmann, J. (1996)
Purification of murine IgG1 from cell culture broth by expanded bed chromatography
using STREAMLINE rProtein A
Pharmacia Biotech, *Downstream*, 22, 24-26

Tebbe, H., **Lütkemeyer, D.**, Gudermann, F., Heidemann, R. & Lehmann, J. (1996)
Lysis-free separation of hybridoma cells by continuous disc stack centrifugation.
Cytotechnology, 22, 119-127

Lütkemeyer, D., Ameskamp, N., Tebbe, H., Bracht, K., Lehmann, J. (1996)
Direct capture of monoclonal antibodies using high capacity membrane ion
exchangers in Pilot scale.
In *Animal Cell Technology: From Vaccines to Genetic Medicine*, 325

Tebbe, H., Büntemeyer, H., **Lütkemeyer, D.**, Lehmann, J. (1995)
Rapid HPLC quantification of recombinant human antithrombin III during production
and purification.
In *Animal Cell Technology: Developments towards the 21st century*. Eds. E.C.
Beuvery, J.B. Griffiths, W.P. Zeijlemaker, Kluwer Acad. Publ., 455-459

Riese, U., **Lütkemeyer, D.**, Heidemann, R., Büntemeyer, H., Lehmann, J. (1994)
Re-use of Spent Cell Culture Medium in Pilot Scale and Rapid Preparative
Purification with Membrane Chromatography.
J. Biotechnol., 34 (3), 247-257

Heidemann, R., Riese, U., **Lütkemeyer, D.**, Büntemeyer, H., Lehmann, J. (1994)
The Super-Spinner: A low cost animal cell culture bioreactor for the CO₂ incubator.
Cytotechnology 14, 1-9

Heidemann, R., Riese, U., **Lütkemeyer, D.**, Büntemeyer, H., Lehmann, J. (1994)
The Super-Spinner: A mass cell culture bioreactor for the CO₂-incubator.
In *Animal Cell Technology: Products of today, prospects for tomorrow*. Eds.
R.E.Spier, J.B.Griffiths, W. Berthold, Butterworth-Heinemann, 212-214

Riese, U., **Lütkemeyer, D.**, Heidemann, R., Büntemeyer, H., Lehmann, J. (1994)
Continuous medium recycling in pilot scale with a recombinant animal cell culture for
Antithrombin III production.
In *Animal Cell Technology: Products of today, prospects for tomorrow*. Eds.
R.E.Spier, J.B.Griffiths, W. Berthold, Butterworth-Heinemann, 476-480

Büntemeyer, H., Tebbe, H., **Lütkemeyer, D.**, Lehmann, J. (1994)
Rapid high-performance liquid chromatographic quantification of recombinant human antithrombin III during production and purification.
J. Chromatogr. B 662, 209-216

Gudermann, F., **Lütkemeyer, D.**, Lehmann, J. (1994)
Design of a Bubble-Swarm Bioreactor for Animal Cell Culture.
Cytotechnology, 15, 301-309

Lütkemeyer, D., Riese, U., Heidemann, R., Bretschneider, M., Lehmann, J., Conradt, H. S. (1994)
Product Quality Studies of Antithrombin III During Medium Recycling in Pilot Scale.
In: *Animal Cell Technology, Products of Today, Prospects for Tomorrow*, 760

Lütkemeyer, D., Bretschneider, M., Büntemeyer, H., Lehmann, J. (1993)
Membrane chromatography for rapid purification of recombinant antithrombin III and monoclonal antibodies from cell culture supernatant.
J. Chromatogr. 639, 57-66

Lütkemeyer, D., Siwiora, S., Büntemeyer, H., Lehmann, J. (1992)
Microporous membranes for rapid purification of monoclonal antibodies.
In *Animal Cell Technology: Development, Processes and Products* Eds. R.E. Spier, J.B. Griffiths, C. MacDonald, Butterworths, 613-618

Riese, U., **Lütkemeyer, D.**, Heidemann, R., Büntemeyer, H., Lehmann, J. (1992)
New processes for economic animal cell cultivations by recycling of medium in bench- and pilot-scale.
DECHEMA Biotechnology Conferences 5A, 261-264

Lütkemeyer, D., Siwiora, S., Büntemeyer, H., Lehmann, J. (1992)
Membrane ion exchanger for rapid and efficient purification of monoclonal antibodies from cell culture supernatant.
DECHEMA Biotechnology Conferences 5A, 277-280

Lütkemeyer, D., Siwiora, S., Büntemeyer, H., Lehmann, J. (1992)
Rapid Purification of Monoclonal Antibodies with Membrane Ion Exchanger.
BioEngineering, 2, 34-44

Lütkemeyer, D., Bretschneider, M., Büntemeyer, H., Lehmann, J. (1992)
Membrane Chromatography for Rapid and Automatic Concentration of Proteins from Cell Culture Supernatant using a High Flux System.
Engineering Foundation Conference: *Recovery of Biological Products VI*, Interlaken (Switzerland), 20-25.09.92

Lütkemeyer, D., Bretschneider, M., Büntemeyer, H., Lehmann, J. (1992)
Membrane Adsorber for Rapid Purification of the Recombinant Antithrombin III from Cell Culture Supernatant.
1st European Symposium on FPLC® of Biomolecules, Strasbourg (France), 19-20.10.92 (Abstractband).

Lehmann, J., Heidemann, R., Riese, U., **Lütkemeyer, D.**, Büntemeyer, H. (1992)
Der Superspinner - Ein Brutschrankfermenter für die Massenkultur tierischer Zellen.
BioEngineering 5+6, 36-38

Büntemeyer, H., **Lütkemeyer, D.**, Lehmann, J. (1991)
Optimization of Serum-free Fermentation Processes for Antibody Production.
Cytotechnology 5, 57-67

Büntemeyer, H., **Lütkemeyer, D.**, Bernat, B., Lehmann, J. (1991)
The Use of Affinity Chromatography for the Purification of Monoclonal Antibodies.
Production of Biologicals from Animal Cells in Culture. Eds. R.E. Spier, J.B. Griffiths,
B. Meignier, Butterworths, 662-665

Lütkemeyer, D., Büntemeyer, H., Lehmann, J. (1991)
Production of a monoclonal antibody against gesolin.
Production of Biologicals from Animal Cells in Culture. Eds. R.E. Spier, J.B. Griffiths,
B. Meignier, Butterworths, 718-721

Lütkemeyer, D., Büntemeyer, H. (1990)
Kinetische ELISA-Messungen.
Tecnomara News I/90, 2

Büntemeyer, H., **Lütkemeyer, D.**, Bernat, B., Lehmann, J. (1990)
Serum-free Antibody Production in Different Cell Culture Systems in Respect to
Downstream Processing.
Trends in Animal Cell Culture Technology, Ed. H. Murakami, VCH Publishers, 81

Lehmann, J., Kempken, R., **Lütkemeyer, D.**, Büntemeyer, H. (1990)
Economic Aspects of Medium Recycling.
Trends in Animal Cell Culture Technology, Ed. H. Murakami, VCH Publishers, 55-59