



ELSEVIER

European Journal of Pharmaceutics and Biopharmaceutics 44 (1997) 341–344

European
Journal of
Pharmaceutics and
Biopharmaceutics

Author Index Volumes 43–44 (1997)

- Adolfsson, Å., Olsson, H. and Nyström, C., Effect of particle size and compaction load on interparticulate bonding structure for some pharmaceutical materials studied by compaction and strength characterisation in butanol (44) 243
- Al-Aghbar, M.R.A.K. and Armstrong, N.A., The repeated compression of powders (44) 283
- Alonso, M.J., see Blanco, M.D. (43) 287
- Anderson, J.M., see Ronneberger, B. (43) 19
- Araujo, L., see Löbenberg, R. (44) 127
- Armstrong, N.A., see Al-Aghbar, M.R.A.K. (44) 283
- Arturo López-Quintela, M., see Begoña Delgado-Charro, M. (43) 37
- Aspe-Carranza, E., see Brand, R.M. (43) 9
- Awazu, S., see Isoda, T. (44) 133
- Babalola, C.P., Bolaji, O.O., Ogunbona, F.A., Sowunmi, A. and Walker, O., Dose linearity of quinine in healthy human subjects (44) 143
- Baehni, P., see Jacques, Y. (43) 59
- Barends, D.M., see Geuns, E.R.M. (44) 187
- Barfknecht, C.F., see Schoenwald, R.D. (43) 273
- Barrett, C., see Van Buskirk, G.A. (44) 327
- Begoña Delgado-Charro, M., Iglesias-Vilas, G., Blanco-Méndez, J., Arturo López-Quintela, M., Marty, J.-P. and Guy, R.H., Delivery of a hydrophilic solute through the skin from novel microemulsion systems (43) 37
- Berge, S., see Van Buskirk, G.A. (44) 327
- Berleur, F., see Lagoueyte, C. (43) 73
- Blanco, M.D. and Alonso, M.J., Development and characterization of protein-loaded poly(lactide-co-glycolide) nanospheres (43) 287
- Blanco-Méndez, J., see Begoña Delgado-Charro, M. (43) 37
- Boddé, H.E., see Craane-van Hinsberg, W.H.M. (43) 43
- Bodmeier, R., see O'Donnell, P.B. (43) 83
- Bodmeier, R., Tableting of coated pellets (43) 1
- Bolaji, O.O., see Babalola, C.P. (44) 143
- Bolhuis, G.K., see Van der Voort Maarschalk, K. (44) 253
- Bonnet, P.-A., see Lagoueyte, C. (43) 73
- Bottoni, G., see Santus, G. (44) 39
- Brand, R.M., Singh, P., Aspe-Carranza, E., Maibach, H.I. and Guy, R.H., Acute effects of iontophoresis on human skin in vivo: cutaneous blood flow and transepidermal water loss measurements (43) 9
- Brzaković, B., see Pokrajac, M. (43) 193
- Bult, A., see Geuns, E.R.M. (44) 187
- Buri, P., see Cornaz Gudet, A.-L. (43) 259; Ganem-Quintanar, A. (44) 107; Jacques, Y. (43) 59; Rouge, N. (43) 115
- Campos-Aldrete, M.E. and Villafuerte-Robles, L., Influence of the viscosity grade and the particle size of HPMC on metronidazole release from matrix tablets (43) 173
- Cardot, J.-M., Jaouen, A. and Godbillon, J., PKC, a new pharmacokinetic software using SAS® (43) 197
- Caviglioli, G., see Parodi, B. (44) 137
- Chan, K., see Van Buskirk, G.A. (44) 327
- Chapat, J.-P., see Lagoueyte, C. (43) 73
- Chasin, M., see O'Donnell, P.B. (43) 83
- Cleary, G., see Van Buskirk, G.A. (44) 327
- Cleland, J.L., see Daugherty, A.L. (44) 89
- Cole, E.T., see Rouge, N. (43) 115
- Cornaz Gudet, A.-L., Ganem-Quintanar, A.F. and Buri, P., Simple method of in vitro diffusion of nicotine across porcine palatine mucosa (43) 259
- Couarraze, G., see Imbert, C. (44) 273
- Craane-van Hinsberg, W.H.M., Verhoef, J.C., Junginger, H.E. and Boddé, H.E., Electroperturbation of the human skin barrier in vitro (I): the influence of current density on the thermal behaviour of skin impedance (43) 43
- Craig, D.Q.M. and Tamburic, S., Dielectric analysis of bioadhesive gel systems (44) 61
- Craig, D.Q.M., see Tamburic, S. (44) 159
- Crommelin, D.J.A., see Fonseca, M.J. (43) 9; van Winden, E.C.A. (43) 295
- Daugherty, A.L., Cleland, J.L., Duenas, E.M. and Mrsny, R.J., Pharmacological modulation of the tissue response to implanted polylactic-co-glycolic acid microspheres (44) 89
- Debouzy, J.-C., see Lagoueyte, C. (43) 73
- Dettmar, P.W., see Tobyn, M.J. (43) 65
- de Villiers, M.M., see Van der Watt, J.G. (43) 91
- Digenis, G.A., see Santus, G. (44) 39
- Djordjević, A. and Mendaš, I., A method for modeling in vitro dissolution profiles of drugs using gamma distribution (44) 215
- Doelker, E., see Rime, A.-F. (44) 315; Rouge, N. (43) 115
- Doll, W.J., see Santus, G. (44) 39
- Duchêne, D. and Ponchel, G., Bioadhesion of solid oral dosage forms, why and how? (44) 15
- Duenas, E.M., see Daugherty, A.L. (44) 89
- Easson, J.H., see Haltner, E. (44) 3

- Eichman, J.D., Yassin, A.E.-D.B. and Robinson, J.R., The influence of in-vivo carbonation on GI physiological processes and drug permeability (44) 33
- El-Hameed, M.D.A. and Kellaway, I.W., Preparation and in vitro characterisation of mucoadhesive polymeric microspheres as intra-nasal delivery systems (44) 53
- Embleton, J.K., see Martini, L.G. (44) 121
- Falson-Rieg, F., see Ganem-Quintanar, A. (44) 107
- Fatome, M., see Lagoueyte, C. (43) 73
- Fauvelle, F., see Lagoueyte, C. (43) 73
- Fernandez, J.-P., see Lagoueyte, C. (43) 73
- F. Lerk, C., see Van der Voort Maarschalk, K. (44) 253
- Flynn, G., see Van Buskirk, G.A. (44) 327
- Fonseca, M.J., van Winden, E.C.A. and Crommelin, D.J.A., Doxorubicin induces aggregation of small negatively charged liposomes (43) 9
- Foster, T., see Van Buskirk, G.A. (44) 327
- Frontini, R. and Mielck, J.B., Interactions between bendroflumethiazide and water soluble polymers. II. Factors promoting drug-polymer association (43) 309
- Frontini, R. and Mielck, J.B., Interactions between bendroflumethiazide and water-soluble polymers. III. Chemical degradation (44) 85
- Frontini, R. and Mielck, J.B., Interactions between bendroflumethiazide and water soluble polymers. I. Solubility of bendroflumethiazide in water from solid dispersions and formation of associates under climatic stress (43) 185
- Fusco, F., see Parodi, B. (44) 137
- Gale, R., see Van Buskirk, G.A. (44) 327
- Galetin, A., see Pokrajac, M. (43) 193
- Ganem-Quintanar, A., Falson-Rieg, F. and Buri, P., Contribution of lipid components to the permeability barrier of oral mucosa (44) 107
- Ganem-Quintanar, A.F., see Cornaz Gudet, A.-L. (43) 259
- Garrison, R., see Van Buskirk, G.A. (44) 327
- Geuns, E.R.M., Toren, J.S., Barends, D.M. and Bult, A., Decrease of the stage-2 deposition in the twin impinger during storage of beclomethasone dipropionate dry powder inhalers in controlled and uncontrolled humidities (44) 187
- Gochnour, S., see Van Buskirk, G.A. (44) 327
- Godbillon, J., see Cardot, J.-M. (43) 197
- González, M.A., see Van Buskirk, G.A. (44) 327
- Gotto, A., see Van Buskirk, G.A. (44) 327
- Govil, S., see Van Buskirk, G.A. (44) 327
- Gray, V.A., see Van Buskirk, G.A. (44) 327
- Groenendijk, W., see Van der Voort Maarschalk, K. (44) 253
- Grunenberg, P.C., see Lorck, C.A. (43) 149
- Gurny, R., see Jacques, Y. (43) 59; Rothen-Weinhold, A. (43) 115
- Guy, R.H., see Begoña Delgado-Charro, M. (43) 37; Brand, R.M. (43) 9
- Haße, A. and Keipert, S., Development and characterization of microemulsions for ocular application (43) 179
- Haga, M., see Isoda, T. (44) 133
- Hagemann, H.-R., see Rime, A.-F. (44) 315
- Haltner, E., Easson, J.H. and Lehr, C.-M., Lectins and bacterial invasion factors for controlling endo- and transcytosis of bioadhesive drug carrier systems (44) 3
- Hammar, J., see Van Buskirk, G.A. (44) 327
- Harder, S., see Van Buskirk, G.A. (44) 327
- Haseto, S., see Isoda, T. (44) 133
- Hayashi, M., see Isoda, T. (44) 133
- Hellén, L., see Juppo, A.M. (44) 205
- Henriquet, F., see Parodi, B. (44) 137
- Hiestand, E.N., Principles, tenets and notions of tablet bonding and measurements of strength (44) 229
- Hoiberg, C., see Van Buskirk, G.A. (44) 327
- Hussain, A., see Van Buskirk, G.A. (44) 327
- Iglesias-Vilas, G., see Begoña Delgado-Charro, M. (43) 37
- Ilett, K.F., see Parkin, J.E. (43) 139
- Imbert, C., Tchoreloff, P., Leclerc, B. and Couarraze, G., Indices of tableting performance and application of percolation theory to powder compaction (44) 273
- Ineichen, L., see Leuenberger, H. (44) 269
- Ionescu, E., see Jacques, Y. (43) 59
- Isoda, T., Watanabe, E., Haga, M., Haseto, S., Awazu, S. and Hayashi, M., Increase of polypeptide transport by lectin conjugation across rabbit Peyer's patches (44) 133
- Jacques, Y., Nguyen-Xuan, T., Ionescu, E., Ravelli, G.P., Buri, P., Baehni, P. and Gurny, R., In vivo evaluation of hydrophilic and hydrophobic mucoadhesive semi-solid formulations containing sucralfate and lidocaine for intraoral use (43) 59
- Jaouen, A., see Cardot, J.-M. (43) 197
- Johnson, J.R., see Tobyn, M.J. (43) 65
- Jünger, H., see Lorck, C.A. (43) 149
- Junginger, H.E., see Craane-van Hinsberg, W.H.M. (43) 43
- Juppo, A.M., Hellén, L., Pullinen-Strander, V., Kalsta, K., Yliruusi, J. and Kristoffersson, E., Application of mercury porosimetry in evaluation of extrusion-spheronisation process (44) 205
- Kalsta, K., see Juppo, A.M. (44) 205
- Karp, C., see Van Buskirk, G.A. (44) 327
- Kawashima, Y., see Sugimori, K.-i. (44) 323
- Keipert, S., see Haße, A. (43) 179
- Kellaway, I.W., see El-Hameed, M.D.A. (44) 53
- Ketolainen, J., see Raatikainen, P. (44) 261
- Kissel, T., see Morlock, M. (43) 29; Ronneberger, B. (43) 19; Zange, R. (44) 149
- Kleinebudde, P., see Schmidt, C. (44) 169
- Koll, H., see Morlock, M. (43) 29
- Konkel, P. and Mielck, J.B., Associations of parameters characterizing the time course of the tableting process on a reciprocating and on a rotary tableting machine for high-speed production (44) 289
- Kreuter, J., see Löbenberg, R. (44) 127
- Kristoffersson, E., see Juppo, A.M. (44) 205
- Krumbiegel, G., see Langguth, P. (43) 265
- Kubel, F., see Rime, A.-F. (44) 315
- Kubis, A., see Langguth, P. (43) 265

- Lagoueyte, C., Subra, G., Bonnet, P.-A., Chapat, J.-P., Debouzy, J.-C., Fauvelle, F., Berleur, F., Roman, V., Fatome, M. and Fernandez, J.-P., Interaction and translocation of cysteamine (mercaptoethylamine) with model membranes: a ^{15}N -NMR and ^1H -NMR study (43) 73
- Lahdenpää, E., Niskanen, M. and Yliruusi, J., Crushing strength, disintegration time and weight variation of tablets compressed from three Avicel® PH grades and their mixtures (43) 315
- Laicher, A., see Lorck, C.A. (43) 149
- Langguth, P., Kubis, A., Krumbiegel, G., Lang, W., Merkle, H.P., Wächter, W., Spahn-Langguth, H. and Weyhenmeyer, R., Intestinal absorption of the quaternary trospium chloride: permeability-lowering factors and bioavailabilities for oral dosage forms (43) 265
- Lang, W., see Langguth, P. (43) 265
- Lazzarini, C., see Santus, G. (44) 39
- Leclerc, B., see Imbert, C. (44) 273
- Lee, G., see Mattern, M. (44) 177
- Lehr, C.-M., see Haltner, E. (44) 3
- Leitritz, M., see Schmidt, P.C. (44) 303
- Leroux, J.-C., see Rouge, N. (43) 115
- Leuenberger, H. and Ineichen, L., Percolation theory and physics of compression (44) 269
- Lindner, H., see Schmidt, C. (44) 169
- Llanos, H., see Van Buskirk, G.A. (44) 327
- Löbenberg, R., Araujo, L. and Kreuter, J., Body distribution of azidothymidine bound to nanoparticles after oral administration (44) 127
- Lorck, C.A., Grunenberg, P.C., Jünger, H. and Laicher, A., Influence of process parameters on sustained-release theophylline pellets coated with aqueous polymer dispersions and organic solvent-based polymer solutions (43) 149
- Maibach, H.I., see Brand, R.M. (43) 9
- Malcolmson, R.J., see Martini, L.G. (44) 121
- Mantelle, J., see Van Buskirk, G.A. (44) 327
- Markantonis, S.L., see Samaan, S. (43) 145
- Martini, L.G., Embleton, J.K., Malcolmson, R.J. and Wilson, C.G., The use of small volume ocular sprays to improve the bioavailability of topically applied ophthalmic drugs (44) 121
- Marty, J.-P., see Begoña Delgado-Charro, M. (43) 37
- Massuelle, D., see Rime, A.-F. (44) 315
- Mattern, M., Winter, G., Rudolph, R. and Lee, G., Formulation of proteins in vacuum-dried glasses. I: Improved vacuum-drying of sugars using crystallising amino acids (44) 177
- McGinity, J.W., see O'Donnell, P.B. (43) 83
- Meijer, D.K.F. and Wilting, J., Trends in the organization of drug research: interfacing industry and universities (43) 243
- Mendaš, I., see Djordjević, A. (44) 215
- Merkle, H.P., see Langguth, P. (43) 265
- Mielck, J.B., see Frontini, R. (43) 185; Frontini, R. (43) 309; Frontini, R. (44) 85; Konkel, P. (44) 289
- Miljković, B., see Pokrajac, M. (43) 193
- Mongia, N.K., see Peppas, N.A. (43) 51
- Morlock, M., Koll, H., Winter, G. and Kissel, T., Microencapsulation of rh-erythropoietin, using biodegradable poly(D,L-lactide-co-glycolide): protein stability and the effects of stabilizing excipients (43) 29
- Mrsny, R.J., see Daugherty, A.L. (44) 89
- Müller, B.W., see Waaler, T. (43) 159
- Nguyen-Xuan, T., see Jacques, Y. (43) 59
- Niskanen, M., see Lahdenpää, E. (43) 315
- Noonan, P., see Van Buskirk, G.A. (44) 327
- Nyström, C., see Adolfsson, Å. (44) 243
- O'Donnell, P.B., Wu, C., Wang, J., Wang, L., Oshlack, B., Chasin, M., Bodmeier, R. and McGinity, J.W., Aqueous pseudolatex of zein for film coating of solid dosage forms (43) 83
- Ogunbona, F.A., see Babalola, C.P. (44) 143
- Olsson, H., see Adolfsson, Å. (44) 243
- Omelczuk, M.O., Wang, C.-C. and Pope, D.G., Influence of micronization on the compaction properties of an investigational drug using tableting index analysis (43) 1
- Oshlack, B., see O'Donnell, P.B. (43) 83
- Page, R.C., see Santus, G. (44) 39
- Parkin, J.E. and Ilett, K.F., Preparation of the glucosylamines of procainamide and evaluation of the pharmacokinetics of the β -glucosylamine of procainamide in the conscious rabbit (43) 139
- Parodi, B., Russo, E., Caviglioli, G., Vallarino, M., Fusco, F. and Henriquet, F., Buccoadhesive oxycodone hydrochloride disks: plasma pharmacokinetics in healthy volunteers and clinical study (44) 137
- Paronen, P., see Raatikainen, P. (44) 261
- Peppas, N.A. and Mongia, N.K., Ultrapure poly(vinyl alcohol) hydrogels with mucoadhesive drug delivery characteristics (43) 51
- Pertti Ketolainen, see Raatikainen, P. (44) 261
- Pokrajac, M., Miljković, B., Simić, D., Brzaković, B. and Galetin, A., Pharmacokinetics and bioavailability of pentoxifylline in healthy volunteers—a comparative study of three oral formulations (43) 193
- Ponchel, G., see Duchêne, D. (44) 15
- Pope, D.G., see Omelczuk, M.O. (43) 1
- Pullinen-Strander, V., see Juppo, A.M. (44) 205
- Raatikainen, P., Silvennoinen, R., Ketolainen, J., Pertti Ketolainen and Paronen, P., Evaluation of pharmaceutical beam bending tests using double-exposure holographic interferometry (44) 261
- Ravelli, G.P., see Jacques, Y. (43) 59
- R. Gadiraju, R., see Schoenwald, R.D. (43) 273
- Rime, A.-F., Massuelle, D., Kubel, F., Hagemann, H.-R. and Doelker, E., Compressibility and compactibility of powdered polymers: poly(vinyl chloride) powders (44) 315
- Robinson, J.R., see Eichman, J.D. (44) 33; Worakul, N. (44) 71
- Roman, V., see Lagoueyte, C. (43) 73
- Ronneberger, B., Kissel, T. and Anderson, J.M., Biocompatibility of ABA triblock copolymer microparticles consisting of poly(L-lactic-co-glycolic-acid) A-blocks attached to central poly(oxyethylene) B-blocks in rats after intramuscular injection (43) 19
- Rothen-Weinhold, A. and Gurny, R., Controlled and/or prolonged parental delivery of peptides from the hypothalamic pituitary axis (43) 115

- Rouge, N., Leroux, J.-C., Cole, E.T., Doelker, E. and Buri, P., Prevention of the sticking tendency of floating minitablets filled into hard gelatin capsules (43) 115
- Rudolph, R., see Mattern, M. (44) 177
- Russo, E., see Parodi, B. (44) 137
- Ryo, U.Y., see Santus, G. (44) 39
- Samaan, S. and Markantonis, S.L., Kaliuretic effect of short-term theophylline in healthy subjects (43) 145
- Sandfer, E.P., see Santus, G. (44) 39
- Sande, S.A., see Waaler, T. (43) 159
- Santus, G., Lazzarini, C., Bottoni, G., Sandfer, E.P., Page, R.C., Doll, W.J., Ryo, U.Y. and Digenis, G.A., An in vitro-in vivo investigation of oral bioadhesive controlled release furosemide formulations (44) 39
- Schmidt, C., Lindner, H. and Kleinebudde, P., Comparison between a twin-screw extruder and a rotary ring die press. I. Influence of formulation variables (44) 169
- Schmidt, P.C. and Leitritz, M., Compression force/time-profiles of microcrystalline cellulose, dicalcium phosphate dihydrate and their binary mixtures—a critical consideration of experimental parameters (44) 303
- Schoenwald, R.D., R. Gadiraju, R. and Barfknecht, C.F., Serotonin antagonists for use as antiglaucoma agents and their ocular penetration (43) 273
- Schüller Lisether, G., see Waaler, T. (43) 159
- Science, E., Non-standard cap (43) 203
- Scott Barnhardt, see Van Buskirk, G.A. (44) 327
- Shah, V.P., see Van Buskirk, G.A. (44) 327
- Silvennoinen, R., see Raatikainen, P. (44) 261
- Simić, D., see Pokrajac, M. (43) 193
- Singh, P., see Brand, R.M. (43) 9
- Sowunmi, A., see Babalola, C.P. (44) 143
- Spahn-Langguth, H., see Langguth, P. (43) 265
- Subra, G., see Lagoueyte, C. (43) 73
- Sugimori, K.-i. and Kawashima, Y., A new practical index to predict capping occurring during the tableting process (44) 323
- Swanson, D., see Van Buskirk, G.A. (44) 327
- Tamburic, S. and Craig, D.Q.M., A comparison of different in vitro methods for measuring mucoadhesive performance (44) 159
- Tamburic, S., see Craig, D.Q.M. (44) 61
- Tchoreloff, P., see Imbert, C. (44) 273
- Tobyn, M.J., Johnson, J.R. and Dettmar, P.W., Factors affecting in vitro gastric mucoadhesion: IV. Influence of tablet excipients, surfactants and salts on the observed mucoadhesion of polymers (43) 65
- Tojo, K., see Yamada, K. (43) 253
- Toren, J.S., see Geuns, E.R.M. (44) 187
- Vallarino, M., see Parodi, B. (44) 137
- Van Buskirk, G.A., González, M.A., Shah, V.P., Scott Barnhardt, Barrett, C., Berge, S., Cleary, G., Chan, K., Flynn, G., Foster, T., Gale, R., Garrison, R., Gochmour, S., Gotto, A., Govil, S., Gray, V.A., Hammar, J., Harder, S., Hoiberg, C., Hussain, A., Karp, C., Llanos, H., Mantelle, J., Noonan, P., Swanson, D. and Zerbe, H., Scale-up of adhesive transdermal drug delivery systems (44) 327
- Van der Voort Maarschalk, K., Vromans, H., Groenendijk, W., Bolhuis, G.K. and F. Lerk, C., Effect of water on deformation and bonding of pregelatinized starch compacts (44) 253
- Van der Watt, J.G. and de Villiers, M.M., The effect of V-mixer scale-up on the mixing of magnesium stearate with direct compression microcrystalline cellulose (43) 91
- van Winden, E.C.A. and Crommelin, D.J.A., Long term stability of freeze-dried, lyoprotected doxorubicin liposomes (43) 295
- van Winden, E.C.A., see Fonseca, M.J. (43) 9
- Verhoef, J.C., see Craane-van Hinsberg, W.H.M. (43) 43
- Villafuerte-Robles, L., see Campos-Aldrete, M.E. (43) 173
- Vromans, H., see Van der Voort Maarschalk, K. (44) 253
- Waaler, T., Sande, S.A., Müller, B.W. and Schüller Lisether, G., The influence of thermal neutron irradiation on the in vitro characteristics of ASA oral dosage forms: Validation of neutron activation (43) 159
- Wächter, W., see Langguth, P. (43) 265
- Walker, O., see Babalola, C.P. (44) 143
- Wang, C.-C., see Omelczuk, M.O. (43) 1
- Wang, J., see O'Donnell, P.B. (43) 83
- Wang, L., see O'Donnell, P.B. (43) 83
- Watanabe, E., see Isoda, T. (44) 133
- Weyhenmeyer, R., see Langguth, P. (43) 265
- Whelan, O., Reviewer list (44) 345
- Wilson, C.G., see Martini, L.G. (44) 121
- Wilting, J., see Meijer, D.K.F. (43) 243
- Winter, G., see Mattern, M. (44) 177; Morlock, M. (43) 29
- Wojdak, H., Influence of traces of surfactants on nifedipine bioavailability in rats after neomycin-induced malabsorption syndrome (43) 283
- Worakul, N. and Robinson, J.R., Ocular pharmacokinetics/pharmacodynamics (44) 71
- Wu, C., see O'Donnell, P.B. (43) 83
- Yamada, K. and Tojo, K., Bioconversion of estradiol esters in the skin of various animal models in vitro (43) 253
- Yassin, A.E.-D.B., see Eichman, J.D. (44) 33
- Yliruusi, J., see Juppo, A.M. (44) 205; Lahdenpää, E. (43) 315
- Zange, R. and Kissel, T., Comparative in vitro biocompatibility testing of polycyanoacrylates and poly(D,L-lactide-co-glycolide) using different mouse fibroblast (L929) biocompatibility test models (44) 149
- Zerbe, H., see Van Buskirk, G.A. (44) 327