

## 9 Literaturverzeichnis

Annen, E. L.; Collier, R. J.; McGuire, M. A.; Vicini, J. L.; Ballam, J. M. und Lormore, M. J. (2004):

Effect of modified dry period lengths and bovine somatotropin on yield and composition of milk from dairy cows.

J Dairy Sci 87 (11). 3746-3761.

Bachman, K. C. und Schairer, M. L. (2003):

Invited review: bovine studies on optimal lengths of dry periods.

J Dairy Sci 86 (10). 3027-3037.

Barkema, H. W.; Schukken, Y. H.; Lam, T. J.; Beiboer, M. L.; Wilmink, H.; Benedictus, G. und Brand, A. (1998):

Incidence of clinical mastitis in dairy herds grouped in three categories by bulk milk somatic cell counts.

J Dairy Sci 81 (2). 411-419.

Barkema, H. W.; Van der Ploeg, J. D.; Schukken, Y. H.; Lam, T. J.; Benedictus, G. und Brand, A. (1999):

Management style and its association with bulk milk somatic cell count and incidence rate of clinical mastitis.

J Dairy Sci 82 (8). 1655-1663.

Bartlett, P. C.; Agger, J. F.; Houe, H. und Lawson, L. G. (2001):

Incidence of clinical mastitis in Danish dairy cattle and screening for non-reporting in a passively collected national surveillance system.

Prev Vet Med 48 (2). 73-83.

Belke, L.; Zschöck, M.; Sobiraj, A.; Wolter, W. und Kloppert, B. (2004):

Verhinderung von Neuinfektionen durch Anwendung des internen Zitzenversieglers OrbeSeal® nach strenger Vorselektion der Kühe.

In: "Neue Entwicklungen auf dem Gebiet der Mastitisbekämpfung". Broschüre, Wissenschaftliche Vorträge, gehalten anlässlich eines Symposiums auf dem BpT-Kongress 2004 in Nürnberg. 19-24.

Berry, E. A. und Hillerton, J. E. (2002a):

The effect of selective dry cow treatment on new intramammary infections.

J Dairy Sci 85 (1). 112-121.

Berry, E. A. und Hillerton, J. E. (2002b):

The effect of an intramammary teat seal on new intramammary infections.

J Dairy Sci 85 (10). 2512-2520.

Bey, R. F.; Reneau, J. K. und Farnsworth, R. J. (2002):

The role of bedding management and udder health.

Proc. Natl. Mastitis Council Annual Meeting, February 3-6, 2002. Orlando. pp. 45-55.

- Boddie, R. L. und Nickerson, S. C. (1986):  
Dry cow therapy: effects of method of drug administration on occurrence of intramammary infection.  
J Dairy Sci 69 (1). 253-257.
- Bradley, A. J. und Green, M. J. (2000):  
A study of the incidence and significance of intramammary enterobacterial infections acquired during the dry period.  
J Dairy Sci 83 (9). 1957-1965.
- Bradley, A. J. und Green, M. J. (2001):  
An investigation of the impact of intramammary antibiotic dry cow therapy on clinical coliform mastitis.  
J Dairy Sci 84 (7). 1632-1639.
- Bradley, A. J.; Green, M. J. und Huxley, J. N. (2002):  
Making better use of milk samples: monitoring and investigating herd mastitis.  
Cattle Practice 10 (2). 105-112.
- Bradley, A. J. und Green, M. J. (2004):  
The importance of the nonlactating period in the epidemiology of intramammary infection and strategies for prevention.  
Vet Clin North Am Food Anim Pract 20 (3). 547-568.
- Bradley, A. J.; Newton, H.; Benchaoui, H.; Tilt, N.; Cracknell, V. und Rowan, T. (2005):  
Orbeseal and Orbenin EDC in combination for treatment of intramammary infections at drying off and prevention of new infections during the dry period and early lactation in dairy cows.  
4th IDF International Mastitis Conference, 12-15 June 2005, Maastricht, The Netherlands.
- Bramley, A. J. (1985):  
The sources of mastitis pathogens for a dairy herd and their control.  
Kieler Milchwirtschaftliche Forschungsberichte 37. Kiel. pp 375-385.
- Brouk, M. J.; Smith, J. F. und Harner, J. P. (2004):  
Managing the cow environment for improved animal health and milk quality.  
Proc. 43th Annu. Meet. of the National Mastitis Council, Feb.1-4. Charlotte, NC. pp. 271-278.
- Browning, J. W.; Mein, G. A.; Barton, M.; Nicholls, T. J. und Brightling, P. (1990):  
Effects of antibiotic therapy at drying off on mastitis in the dry period and early lactation.  
Aust Vet J 67 (12). 440-442.
- BTK und ArgeVET (2003):  
Antibiotika-Leitlinien  
Leitlinien für den sorgfältigen Umgang mit antimikrobiell wirksamen Tierarzneimitteln, erarbeitet von der Bundestierärztekammer (BTK) und der Arbeitsgemeinschaft der Leitenden Veterinärbeamten (ArgeVET).

- Bushe, T. und Oliver, S. P. (1987):  
Natural protective factors in bovine mammary secretions following different methods of milk cessation.  
J Dairy Sci 70 (3). 696-704.
- BVL (2004):  
Bundesamt für Verbraucherschutz und Lebensmittelsicherheit, Increasing need to work out Risk Management options to limit Antibiotic Resistance.  
"Risk Management to limit Antibiotic Resistance". Berlin, November 15-16, 2004.
- Capuco, A. V.; Bright, S. A.; Pankey, J. W.; Wood, D. L.; Miller, R. H. und Bitman, J. (1992):  
Increased susceptibility to intramammary infection following removal of teat canal keratin.  
J Dairy Sci 75 (8). 2126-2130.
- Capuco, A. V.; Akers, R. M. und Smith, J. J. (1997):  
Mammary growth in Holstein cows during the dry period: quantification of nucleic acids and histology.  
J Dairy Sci 80 (3). 477-487.
- Capuco, A. V. und Akers, R. M. (1999):  
Mammary involution in dairy animals.  
J Mammary Gland Biol Neoplasia 4:(2). 137-144.
- Chamings, R. J.; Murray, G. und Booth, J. M. (1984):  
Use of a conductivity meter for the detection of subclinical mastitis.  
Vet Rec 114 (10). 243-245.
- Clow, L.; Bey, R.; Reneau, J. und Farnsworth, R. (2003):  
Bacteria counts on the surface and subsurface of *Klebsiella pneumoniae* inoculated sand and wood shavings.  
Proc. 2003 Minnesota Dairy Days. pp. 49-51.
- Comalli, M. P.; Eberhart, R. J.; Griel, L. C., Jr. und Rothenbacher, H. (1984):  
Changes in the microscopic anatomy of the bovine teat canal during mammary involution.  
Am J Vet Res 45 (11). 2236-2242.
- Cook, N. B.; Pionek, D. A. und Sharp, P. (2005):  
An assessment of the benefits of Orbeseal when used in combination with dry cow antibiotic therapy in three commercial dairy herds.  
The Bovine Practitioner 39 (2). 83-94.
- Coppock, C. E.; Everett, R. W.; Natzke, R. P. und Ainslie, H. R. (1974):  
Effect of dry period length on Holstein milk production and selected disorders at parturition.  
J Dairy Sci 57. 712-717.
- Cousins, C. L.; Higgs, T. M.; Jackson, E. R.; Neave, F. K. und Dodd, F. H. (1980):  
Susceptibility of the bovine udder to bacterial infection in the dry period.  
J Dairy Res 47 (1). 11-18.

CVMP (1999):

Committee for Veterinary Medical Products. Bismuth subnitrate (extension to intramammary route) (EMA/CVMP/705/00 – Final). The European Agency for the Evaluation of Medicinal Products.

DeGraves, F. J. und Fetrow, J. (1993):

Economics of mastitis and mastitis control.

Vet Clin North Am Food Anim Pract 9 (3). 421-434.

Dingwell, R. T.; Kelton, D. F.; Leslie, K. E. und Edge, V. L. (2001):

Deciding to dry-off: Does level of production matter?

Proc. Annu. Meet. National Mastitis Council. pp. 69-79.

Dingwell, R. T.; Duffield, T. F.; Leslie, K. E.; Keefe, G. P.; DesCoteaux, L.; Kelton, D. F.;

Lissemore, K. D.; Schukken, Y. H.; Dick, P. und Bagg, R. (2002):

The efficacy of intramammary tilmicosin at drying-off, and other risk factors for the prevention of new intramammary infections during the dry period.

J Dairy Sci 85 (12). 3250-3259.

Dingwell, R. T.; Leslie, K. E.; Duffield, T. F.; Schukken, Y. H.; DesCoteaux, L.; Keefe, G.

P.; Kelton, D. F.; Lissemore, K. D.; Shewfelt, W.; Dick, P. Bagg, R. (2003a):

Efficacy of intramammary tilmicosin and risk factors for cure of *Staphylococcus aureus* infection in the dry period.

J Dairy Sci 86 (1). 159-168.

Dingwell, R. T.; Timms, L. L.; Sargeant, J. M.; Kelton, D. F.; Schukken, Y. H. und Leslie, K. E. (2003b):

The association of teat canal closure and other risk factors for new dry period intramammary infections.

National Mastitis Council 42nd Annual Meeting Proceedings. pp 298-299.

Dingwell, R. T.; Leslie, K. E.; Schukken, Y. H.; Sargeant, J. M.; Timms, L. L.; Duffield, T.

F.; Keefe, G. P.; Kelton, D. F.; Lissemore, K. D. und Conklin, J. (2004):

Association of cow and quarter-level factors at drying-off with new intramammary infections during the dry period.

Prev Vet Med 63 (1-2). 75-89.

Dohoo, I. R. und Leslie, K. E. (1991):

Evaluation of changes in somatic cell counts as indicators of new intramammary infections.

Prev Vet. Med. 10 (3). 225-237.

Döpfer, D.; Schukken, Y. H.; Mezner, R. M.; Petersen, D. und . (1993):

Betreuungsstrategien zur Sanierung von Milchviehbetrieben mit hohem Zellgehalt in der Tankmilch.

Praktischer Tierarzt 74, collegium veterinarium XXIV. 70-72.

Drackley, J. K. (1999):

ADSA Foundation Scholar Award. Biology of dairy cows during the transition period: the final frontier?

J Dairy Sci 82 (11). 2259-2273.

- DVG (2000):  
Deutsche Veterinärmedizinische Gesellschaft, Leitlinien zur Entnahme von Milchproben.  
Gießen, 03/2000.  
ISBN: 3-936815-30-5.
- Eberhart, R. J. (1986):  
Management of dry cows to reduce mastitis.  
J Dairy Sci 69 (6). 1721-1732.
- Erskine, R. J.; Eberhart, R. J.; Grasso, P. J. und Scholz, R. W. (1989):  
Induction of Escherichia coli mastitis in cows fed selenium-deficient or selenium-supplemented diets.  
Am J Vet Res 50 (12). 2093-2100.
- Erskine, R. J.; Eberhart, R. J. und Scholz, R. W. (1990):  
Experimentally induced Staphylococcus aureus mastitis in selenium-deficient and selenium supplemented dairy cows.  
Am J Vet Res 51 (7). 1107-1111.
- Falkenberg, U. (2002):  
Untersuchungen zum Einsatz verschiedener Zitzendippverfahren in der Melkhygiene.  
Dissertation, Freie Universität Berlin, Fachbereich Veterinärmedizin.
- Falkenberg, U.; Tenhagen, B. A.; Baumgartner, B. und Heuwieser, W. (2004):  
Relationship between morphological characteristics of the teat duct and prevalence of intramammary infections with Streptococcus agalactiae in dairy cows.  
Dtsch Tierarztl Wochenschr 111 (9). 355-358.
- Farnsworth, R. J.; Wyman, L. und Hawkinson, R. (1980):  
Use of a teat sealer for prevention of intramammary infections in lactating cows.  
J Am Vet Med Assoc 177 (5). 441-444.
- Fenlon, D. R.; Logue, D. N.; Gunn, J. und Wilson, J. (1995):  
A study of mastitis bacteria and herd management practices to identify their relationship to high somatic cell counts in bulk tank milk.  
Br Vet J 151 (1). 17-25.
- Fetrow, J.; Mann, D.; Butcher, K. und McDaniel, B. (1991):  
Production losses from mastitis: carry-over from the previous lactation.  
J Dairy Sci 74 (3). 833-839.
- Fetrow, J.; Stewart, S.; Eicker, S.; Farnsworth, R. und Bey, R. (2000):  
Mastitis: an economic consideration.  
Proc. of the National Mastitis Council Annual Meeting. Atlanta, USA.
- Friton, G. M.; Sobiraj, A. und Richter, A. (1998):  
Über den Erfolg verschiedener antibiotischer Therapieformen bei laktierenden Kühen mit subklinischen Mastitiden.  
Tierarztl Prax G Grosstiere Nutztiere 26 (5). 254-260.

- Funk, D. A.; Freeman, A. E. und Berger, P. J. (1982):  
Environmental and physiological factors affecting mastitis at drying off and postcalving.  
*J Dairy Sci* 65 (7). 1258-1268.
- Funk, D. A.; Freeman, A. E. und Berger, P. J. (1987):  
Effects of previous days open, previous days dry, and present days open on lactation yield.  
*J Dairy Sci* 70 (11). 2366-2373.
- Funke, G.; von Graevenitz, A.; Clarridge, J. E., 3rd und Bernard, K. A. (1997):  
Clinical microbiology of coryneform bacteria.  
*Clin Microbiol Rev* 10 (1). 125-159.
- Gill, R.; Howard, W. H.; Leslie, K. E. und Lissemore, K. (1990):  
Economic mastitis control.  
*J Dairy Sci* 73 (11). 3340-3348.
- Godden, S.; Rapnicki, P.; Stewart, S.; Fetrow, J.; Johnson, A.; Bey, R. und Farnsworth, R. (2003):  
Effectiveness of an internal teat seal in the prevention of new intramammary infections during the dry and early-lactation periods in dairy cows when used with a dry cow intramammary antibiotic.  
*J Dairy Sci* 86 (12). 3899-3911.
- Goff, J. P. und Kimura, K. (2002):  
Metabolic diseases and their effect on immune function and resistance to infectious disease.  
NMC 2002 Proceedings.
- Green, M. J.; Green, L. E.; Medley, G. F.; Schukken, Y. H. und Bradley, A. J. (2002):  
Influence of dry period bacterial intramammary infection on clinical mastitis in dairy cows.  
*J Dairy Sci* 85 (10). 2589-2599.
- Green, M. J.; Green, L. E.; Bradley, A. J.; Burton, P. R.; Schukken, Y. H. und Medley, G. F. (2005a):  
Prevalence and associations between bacterial isolates from dry mammary glands of dairy cows.  
*Vet Rec* 156 (3). 71-77.
- Green, M. J.; Green, L. E.; Bradley, A. J.; Burton, P. R.; Schukken, Y. H. und Medley, G. F. (2005b):  
Prevalence and associations between bacterial isolates from dry mammary glands of dairy cows.  
*Vet Rec.* 156 (3). 71 - 77.
- Gronlund, U.; Hulten, C.; Eckersall, P. D.; Hogarth, C. und Persson Waller, K. (2003):  
Haptoglobin and serum amyloid A in milk and serum during acute and chronic experimentally induced *Staphylococcus aureus* mastitis.  
*J Dairy Res* 70 (4). 379-386.
- Gronlund, U.; Hallen Sandgren, C. und Persson Waller, K. (2005):  
Haptoglobin and serum amyloid A in milk from dairy cows with chronic sub-clinical mastitis.  
*Vet Res* 36 (2). 191-198.

- Grummer, R. R. und Rastani, R. R. (2004):  
Why reevaluate dry period length?  
J Dairy Sci 87 (Suppl.). E77-E85.
- Gulay, M. S.; Hayen, M. J.; Bachman, K. C.; Belloso, T.; Liboni, M. und Head, H. H. (2003):  
Milk production and feed intake of Holstein cows given short (30-d) or normal (60-d) dry periods.  
J Dairy Sci 86 (6). 2030-2038.
- Hamann, J. (1996):  
Somatic cells: factors of influence and practical measures to keep a physiological level.  
Mastitis Newsletter, Newsletters of the IDF No. 144. pp. 9-11.
- Hamann, J.; Claessens, I.; Krömker, V. und Nogai, K. (1998):  
Kompendium der Milchhygiene, Zentrumsabteilung Hygiene und Technologie der Milch, Zentrum für Lebensmittelwissenschaften der Tierärztlichen Hochschule Hannover.
- Harmon, R. J. (1994):  
Physiology of mastitis and factors affecting somatic cell counts.  
J Dairy Sci 77 (7). 2103-2112.
- Hassan, Z.; Daniel, R. C.; O'Boyle, D. und Frost, A. J. (1999):  
Effects of dry cow intramammary therapy on quarter infections in the dry period.  
Vet Rec 145 (22). 635-639.
- Hayton, A. J. (2003):  
An investigation into the efficacy of an external teat sealant and of factors affecting new intramammary infection rate during the dry period on organic farms. RCVS Diploma, RCSV.
- Hemling, T.; Henderson, M. und Serieys, F. (2000):  
Efficacy of a dry cow teat sealant.
- Hillerton, J. E. und Walton, A. W. (1991):  
Identification of subclinical mastitis with a hand-held electrical conductivity meter.  
Vet Rec 128 (22). 513-515.
- Hillerton, J. E. (1999):  
Redefining mastitis based on somatic cell count.  
Bull. Int. Dairy Fed. 345. pp. 4-6.
- Hillerton, J. E. und Berry, E. A. (2002):  
Die Geschichte der Trockenstelltherapie und deren heutige Relevanz.  
Wissenschaftliche Vorträge, gehalten anlässlich des XXII. World Buiatrik Congress am 20.8.2002 in Hannover, übersetzt aus dem Englischen.
- Hillerton, J. E. und Berry, E. A. (2003):  
The management and treatment of environmental streptococcal mastitis.  
Vet Clin North Am Food Anim Pract 19 (1). 157-169.

Hillmann, P. E.; Gebremedhin, K. G.; Parkhurst, A.; Fquay, J. und Willard, S. (2001):  
Evaporative and convective cooling of cows in a hot and humid enviroment.  
Livestock and Enviroment VI: Proc. of the 6th international Symposium, May 21-23.  
Louisville, KY. pp. 343-350.

Hoblet, K. H.; Schnitkey, G. D.; Arbaugh, D.; Hogan, J. S.; Smith, K. L.; Schoenberger, P. S.;  
Todhunter, D. A.; Hueston, W. D.; Pritchard, D. E.; Bowman, G. L. et al. (1991):  
Costs associated with selected preventive practices and with episodes of clinical mastitis in  
nine herds with low somatic cell counts.  
J Am Vet Med Assoc 199 (2). 190-196.

Hogan, J. S.; Pankey, J. W. und Duthie, A. H. (1987):  
Growth inhibition of mastitis pathogens by long-chain fatty acids.  
J Dairy Sci 70 (5). 927-934.

Hogan, J. S.; Smith, K. L.; Todhunter, D. A. und Schoenberger, P. S. (1988):  
Growth responses of environmental mastitis pathogens to long-chain fatty acids.  
J Dairy Sci 71 (1). 245-249.

Hogan, J. S.; Smith, K. L.; Hoblet, K. H.; Todhunter, D. A.; Schoenberger, P. S.; Hueston, W.  
D.; Pritchard, D. E.; Bowman, G. L.; Heider, L. E.; Brockett, B. L. et al. (1989):  
Bacterial counts in bedding materials used on nine commercial dairies.  
J Dairy Sci 72 (1). 250-258.

Hogan, J. S. und Smith, K. L. (1998):  
Risk factors associated with enviromental mastitis.  
Proc. 37th Annu. Meet. of the National Mastitis Council. St. Louis. pp 93-94.

Hughes, J.; Oakfields; Calverhall; Whitchurch und Shrops (1999):  
Bedding systems and mastitis.  
Proceedings of the British Mastitis Conference. Axient/Institute for Animal Health/Milk  
Development Council/ Novartis Animal Health, Stoneleigh. pp 73-78.

Huxley, J. N.; Greent, M. J.; Green, L. E. und Bradley, A. J. (2002):  
Evaluation of the efficacy of an internal teat sealer during the dry period.  
J Dairy Sci 85 (3). 551-561.

Huxley, J. N.; Green, M. J. und Bradley, A. J. (2003):  
Corynebacterium bovis-friend or foe?  
Paper presented at British Mastitis Conference. Garstang.

IDF (1987):  
International Dairy Federation: Bovine mastitis: definition & guidelines for diagnosis,  
Bulletin 211.

Jensen, D. L. und Eberhart, R. J. (1981):  
Total and differential cell counts in secretions of the nonlactating bovine mammary gland.  
Am J Vet Res 42 (5). 743-7.



- Jukola, E.; Hakkarainen, J.; Saloniemi, H. und Sankari, S. (1996):  
Blood selenium, vitamin E, vitamin A, and beta-carotene concentrations and udder health, fertility treatments, and fertility.  
J Dairy Sci 79 (5). 838-845.
- Jung, M. (2005):  
Wirksamkeit eines internen Zitzenversieglers zur Prophylaxe intramammärer Infektionen in der Trockenstehphase.  
Dissertation, Freie Universität Berlin, Fachbereich Veterinärmedizin.
- Kehrli, M. E., Jr.; Goff, J. P.; Harp, J. A.; Thurston, J. R. und Norcross, N. L. (1990):  
Effects of preventing periparturient hypocalcemia in cows by parathyroid hormone administration on hematology, conglutinin, immunoglobulin, and shedding of *Staphylococcus aureus* in milk.  
J Dairy Sci 73 (8). 2103-2111.
- King, J. S. (1981):  
Streptococcus uberis: a review of its role as a causative organism of bovine mastitis. II. Control of infection.  
Br Vet J 137 (2). 160-165.
- Klaas, I.; Wessels, U.; Rothfuss, H. und Schallenberger, E. (2000):  
Risk factors for placenta retention and clinical mastitis in 15 German herds.  
World Buiatric Congress XXI. Punta del Este, Uruguay. pp 139
- Krömker, V. und Pfannenschmidt, F. (2003):  
Interner Zitzenversiegler-Ein Beitrag zu einer verbesserten Mastitisbekämpfung?  
Milchpraxis 3. 124-126.
- Mallard, B. A.; Dekkers, J. C.; Ireland, M. J.; Leslie, K. E.; Sharif, S.; Vankampen, C. L.; Wagter, L. und Wilkie, B. N. (1998):  
Alteration in immune responsiveness during the peripartum period and its ramification on dairy cow and calf health.  
J Dairy Sci 81 (2). 585-595.
- McDonald, J. S. und Anderson, A. J. (1981):  
Experimental intramammary infection of the dairy cow with *Escherichia coli* during the nonlactating period.  
Am J Vet Res 42 (2). 229-231.
- Meaney, W. J. (1976):  
Dry period teat seal.  
Vet Rec 99 (2). 30.
- Meaney, W. J. (1977):  
Effect of a dry period teat seal on bovine udder infections.  
Irish J. Agric. Res. 16 (3). 293-299.

- Meaney, W. J. (1993):  
The efficacy of antibiotic therapy, with and without teat seals, during the dry period in the treatment and prevention of mastitis in Irish dairy cows.  
Trinity College, Dublin. M.Sc. Diss.
- Miller, G. Y. und Bartlett, P. C. (1991):  
Economic effects of mastitis prevention strategies for dairy producers.  
J Am Vet Med Assoc 198 (2). 227-231.
- Miltenburg, J. D.; de Lange, D.; Crauwels, A. P.; Bongers, J. H.; Tielen, M. J.; Schukken, Y. H. und Elbers, A. R. (1996):  
Incidence of clinical mastitis in a random sample of dairy herds in the southern Netherlands.  
Vet Rec 139 (9). 204-207.
- Monti, G.; Tenhagen, B. A. und Heuwieser, W. (1999):  
Culling policies in dairy herds. A review.  
J Vet Med A 46 (1). 1-11.
- Natzke, R. P.; Everett, R. W. und Bray, D. R. (1975):  
Effect of drying off practices on mastitis infection.  
J Dairy Sci 58 (12). 1828-1835.
- Natzke, R. P. (1981):  
Elements of mastitis control.  
J Dairy Sci 64 (6). 1431-1442.
- Neave, P. K.; Dodd, F. H. und Henriques, E. (1950):  
Udder infections in the dry period.  
J Dairy Res 17 (1). 37-49.
- Neijenhuis, F.; Barkema, H. W.; Hogeveen, H. und Noordhuizen, J. P. (2000):  
Classification and longitudinal examination of callused teat ends in dairy cows.  
J Dairy Sci 83 (12). 2795-2804.
- Neijenhuis, F.; Barkema, H. W.; Hogeveen, H. und Noordhuizen, J. P. (2001):  
Relationship between teat-end callosity and occurrence of clinical mastitis.  
J Dairy Sci 84 (12). 2664-2672.
- Nickerson, S. C.; Paape, M. J.; Harmon, R. J. und Ziv, G. (1986):  
Mammary leukocyte response to drug therapy.  
J Dairy Sci 69 (6). 1733-1742.
- Nickerson, S. C.; Owens, W. E.; Fox, L. K.; Scheifinger, C. C.; Shryock, T. R. und Spike, T. E. (1999):  
Comparison of tilmicosin and cephalosporin as therapeutics for *Staphylococcus aureus* mastitis at dry-off.  
J Dairy Sci 82 (4). 696-703.
- NMC (1987):  
The Laboratory and Field Handbook on Bovine Mastitis. -: National Mastitis Council. -

NMC (1996):

Glossary of Terms from: "Current Concepts of Bovine Mastitis", National Mastitis Council.

NMC (1997):

A Practical Look at Environmental Mastitis (National Mastitis Council Factsheet, Revised 10/97). In: Hogan, J.S. and Smith, K.L (Hrsg.): Compendium on Continuing Education for the Practicing Veterinarian. pp 342.

NMC (2001):

National Mastitis Council Guidelines on normal and abnormal raw milk based on somatic cell counts and signs of clinical mastitis, authored by Smith, K.L., Hillerton, J.E., Harmon, R.J.

NRC (1988):

National Research Council, Nutrient Requirements of Dairy cattle.  
Ed. 6., National Academy Press, Washington, DC.

NRC (2001):

National Research Council. Nutrient requirements of dairy cattle.  
Ed. 7 rev., National Academy Press, Washington, DC.

Oldham, E. R.; Eberhart, R. J.; Lange, A. L. und Brusio, S. L. (1991a):

Changes in the bovine teat canal during the nonlactating period and early lactation, as measured by teat canal impressions.  
Am J Vet Res 52 (12). 2075-2079.

Oldham, E. R.; Eberhart, R. J. und Muller, L. D. (1991b):

Effects of supplemental vitamin A or beta-carotene during the dry period and early lactation on udder health.  
J Dairy Sci 74 (11). 3775-3781.

Oliver, J.; Dodd, F. H. und Neave, F. K. (1956):

Udder infections in the dry period 3. The method of drying off cows at the end of lactation.  
J Dairy Res 23 (2). 197-203.

Oliver, S. P. und Mitchell, B. A. (1983):

Susceptibility of bovine mammary gland to infections during the dry period.  
J Dairy Sci 66 (5). 1162-1166.

Oliver, S. P. (1988):

Frequency of isolation of environmental mastitis-causing pathogens and incidence of new intramammary infection during the nonlactating period.  
Am J Vet Res 49 (11). 1789-1793.

Oliver, S. P. und Sordillo, L. M. (1988):

Udder health in the periparturient period.  
J Dairy Sci 71 (9). 2584-2606.

Oliver, S. P. und Sordillo, L. M. (1989):

Approaches to the manipulation of mammary involution.  
J Dairy Sci 72 (6). 1647-1664.

- Oliver, S. P.; Shull, E. P. und Dowlen, H. H. (1990):  
Influence of different methods of milk cessation on intramammary infection during the dry period.  
Proc. Intl. Mastitis Symposium. Indianapolis, Indiana. pp 92-97.
- Osteras, O.; Aursjo, J.; Gjøl, G. G. und Jorstad, A. (1994):  
Effect of dry-cow therapy on subclinical mastitis--an evaluation of long-acting and short-acting intramammaria.  
Zentralbl Veterinarmed B 41 (7-8). 529-540.
- Owens, W. E.; Nickerson, S. C.; Washburn, P. J. und Ray, C. H. (1991):  
Efficacy of a cephalosporin dry cow product for treatment of experimentally induced Staphylococcus aureus mastitis in heifers.  
J Dairy Sci 74 (10). 3376-82.
- Owens, W. E.; Nickerson, S. C.; Washburn, P. J. und Ray, C. H. (1994):  
Prepartum antibiotic therapy with a cephalosporin dry-cow product against naturally occurring intramammary infections in heifers.  
J Vet Med B 41 (2). 90-100.
- Paape, M. J.; Miller, R. H.; Young, M. D. und Peters, R. R. (1992):  
Influence of involution on intramammary phagocytic defense mechanisms.  
J Dairy Sci 75 (7). 1849-1856.
- Pankey, J. W.; Barker, R. M.; Twomey, A. und Duirs, G. (1982):  
Comparative efficacy of dry-cow treatment regimens against Staphylococcus aureus.  
N Z Vet J 30 (1-2). 13-15.
- Pankey, J. W.; Nickerson, S. C.; Boddie, R. L. und Hogan, J. S. (1985):  
Effects of Corynebacterium bovis infection on susceptibility to major mastitis pathogens.  
J Dairy Sci 68 (10). 2684-2693.
- Pearson, J. K. (1951):  
Further experiments in the use of penicillin in the prevention of C. pyogenes infection of the non-lactating bovine udder.  
Vet Rec 63 (12). 215-220.
- Pearson, J. K. L. (1950):  
The use of penicillin in the prevention of C. pyogenes infection of the nonlactating udder.  
Vet Rec 62. 166-168.
- Rajala-Schultz, P. J.; Hogan, J. S. und Smith, K. L. (2005):  
Short communication: association between milk yield at dry-off and probability of intramammary infections at calving.  
J Dairy Sci 88 (2). 577-579.
- Rastani, R. R.; Grummer, R. R.; Bertics, S. J.; Gumen, A.; Wiltbank, M. C.; Mashek, D. G. und Schwab, M. C. (2005):  
Reducing dry period length to simplify feeding transition cows: milk production, energy balance, and metabolic profiles.  
J Dairy Sci 88 (3). 1004-1014.

- Remond, B.; Kerouanton, J. und Brocard, V. (1997):  
The effect of reducing or omitting the dry period on the performance of dairy cows.  
Prod Anim 10 (4). 301-315.
- Rindsig, R. B.; Rodewald, R. G.; Smith, A. R. und Spahr, S. L. (1978):  
Complete versus selective dry cow therapy for mastitis control.  
J Dairy Sci 61 (10). 1483-1497.
- Risco, C. A.; Donovan, G. A. und Hernandez, J. (1999):  
Clinical mastitis associated with abortion in dairy cows.  
J Dairy Sci 82 (8). 1684-1689.
- Roche Lexikon Medizin (2003):  
Urban & Fischer, "Selbstheilung" aufgrund natürlicher immunologischer u. reparativer  
Potenzen, d.h. Heilung ohne therapeutisches Eingreifen. 5. Aufl.
- Rosenberger, G. (1990):  
Die klinische Untersuchung des Rindes. 3. Auflage. Dirksen, G., Gründer, H.D., Stöber, M.  
(Hrsg.), Parey Verlag, Berlin, Hamburg
- Ryan, M. P.; Meaney, W. J.; Ross, R. P. und Hill, C. (1998):  
Evaluation of lacticin 3147 and a teat seal containing this bacteriocin for inhibition of mastitis  
pathogens.  
Appl Environ Microbiol 64 (6). 2287-2290.
- Ryan, M. P.; Flynn, J.; Hill, C.; Ross, R. P. und Meaney, W. J. (1999):  
The natural food grade inhibitor, lacticin 3147, reduced the incidence of mastitis after  
experimental challenge with *Streptococcus dysgalactiae* in nonlactating dairy cows.  
J Dairy Sci 82 (12). 2625-2631.
- Sanford, C.; Keefe, G.; Dohoo, I. und Leslie, K. (2004):  
Efficacy of an internal teat sealant, Orbeseal, for Reduction of clinical mastitis during the first  
60 days post-partum.  
37. Annual conference American Association of Bovine Practitioners. Fort Worth, Texas,  
September 23-25, 2004. pp 189-190.
- Schepers, A. J.; Lam, T. J.; Schukken, Y. H.; Wilmink, J. B. und Hanekamp, W. J. (1997):  
Estimation of variance components for somatic cell counts to determine thresholds for  
uninfected quarters.  
J Dairy Sci 80 (8). 1833-1840.
- Schepers, J. A. und Dijkhuizen, A. A. (1991):  
The economics of mastitis and control in dairy cattle: a critical analysis of estimates published  
since 1970.  
Prev Vet Med 10 (3). 213-224.

- Schnell, J. und Sobiraj, A. (2004):  
Untersuchungen zum selektiven bzw. zum kombinierten Einsatz des internen Zitzenversieglers OrbeSeal® in kleinen und mittelgroßen Milchviehbetrieben Baden Württembergs.  
In: "Neue Entwicklungen auf dem Gebiet der Mastitisbekämpfung". Broschüre, Wissenschaftliche Vorträge, Symposium BpT-Kongress 2004, Nürnberg. pp 25-29.
- Schukken, Y. H.; Erb, H. N. und Smith, R. D. (1988a):  
The relationship between mastitis and retained Placenta in a commercial population of Holstein dairy cows.  
Prev Vet Med 5 (3). 181-190.
- Schukken, Y. H.; Erb, H. N.; Sears, P. M. und Smith, R. D. (1988b):  
Ecologic study of the risk factors for environmental mastitis in cows.  
Am J Vet Res 49 (6). 766-769.
- Schukken, Y. H.; Vanvliet, J.; Vandegeer, D. und Grommers, F. J. (1993):  
A randomized blind trial on dry cow antibiotic infusion in a low somatic cell count herd.  
J Dairy Sci 76 (10). 2925-2930.
- Shearn, M. F. und Hillerton, J. E. (1996):  
Hyperkeratosis of the teat duct orifice in the dairy cow.  
J Dairy Res 63 (4). 525-532.
- Smith, A.; Westgarth, D. R.; Jones, M. R.; Neave, F. K.; Dodd, F. H. und Brander, G. C. (1967):  
Methods of reducing the incidence of udder infection in dry cows.  
Vet Rec 81 (20). 504-510.
- Smith, K. L.; Todhunter, D. A. und Schoenberger, P. S. (1985):  
Environmental pathogens and intramammary infection during the dry period.  
J Dairy Sci 68 (2). 402-417.
- Smith, K. L. und Hogan, J. S. (1995):  
Epidemiology of mastitis.  
proceeding of the third IDF International Mastitis Seminar. Tel-Aviv, Israel. 3-13.
- Smith, K. L. (1996):  
Standards for somatic cells in milk: physiological and regulatory.  
Mastitis Newsletter, Newsletters of the IDF No. 144. pp. 7-9.
- Smith, K. L.; Hogan, J. S. und Weiss, W. P. (1997):  
Dietary vitamin E and selenium affect mastitis and milk quality.  
J Anim Sci 75 (6). 1659-1665.
- Smith, K. L. und Hogan, J. S. (1999):  
A world standard for milk somatic cell count: is it justified?  
Bull. Int. Dairy Fed. No. 345. pp. 7-10.

Sol, J.; Barkema, H. W.; Berghege, I. M.; Borst, G. H.; Hoornick, L. J. und Sampimon, O. C. (1998):

[Mastitis following drying up associated with teat wipes contaminated with *Pseudomonas aeruginosa*].

Tijdschr Diergeneeskd 123 (4). 112-113.

Sordillo, L. M. und Nickerson, S. C. (1988):

Morphologic changes in the bovine mammary gland during involution and lactogenesis.

Am J Vet Res 49 (7). 1112-1120.

Spain, J. N. und Scheer, W. A. (2004):

Transition cow nutrition and mastitis-balancing all the factors.

Proc. 43. Annu. Meet. National Mastitis Council, Feb. 1-4. Charlotte, NC. pp. 237-255.

Swanson, E. W. (1965):

Comparing continuous milking with sixty-day dry periods in successive lactations.

J Dairy Sci 48 (9). 1205-1209.

Swanson, E. W.; Pardue, F. E. und Longmire, D. B. (1967):

Effect of gestation and dry period of deoxyribonucleic acid and alveolar characteristics of bovine mammary glands.

J Dairy Sci 50 (8). 1288-1292.

Timms, L. (1997):

Efficacy of barrier teat dips in preventing dry period mastitis.

National Mastitis Council regional meeting proceedings. Iowa State University, Ames, IA.

Timms, L. (2001):

Field trial evaluation of a novel persistent barrier teat dip for preventing mastitis during the dry period and as a potential substitute for dry cow antibiotic therapy.

Proc. 40. Annu. Meet. National Mastitis Council. Reno, NV. Feb. 11-14, 2001. pp.262-263.

Timms, L. L.; Van der Maaten, M. J.; Kehrl, M. E., Jr. und Ackermann, M. R. (1998):

Histologic features and results of virus isolation tests of tissues obtained from teat lesions that developed in dairy cattle during winter.

J Am Vet Med Assoc 213 (6). 862-865.

Todhunter, D. A.; Smith, K. L.; Hogan, J. S. und Schoenberger, P. S. (1991):

Gram-negative bacterial infections of the mammary gland in cows.

Am J Vet Res 52 (2). 184-188.

Twomey, D. P.; Wheelock, A. I.; Flynn, J.; Meaney, W. J.; Hill, C. und Ross, R. P. (2000):

Protection against *Staphylococcus aureus* mastitis in dairy cows using a bismuth-based teat seal containing the bacteriocin, lacticin 3147.

J Dairy Sci 83 (9). 1981-1988.

Van Werven, T. (1999):

The role of leukocytes in bovine *Escherichia coli* mastitis, PhD thesis.

VIT (2004):

Vereinigte Informationssysteme Tierhaltung. w.V., Jahresbericht 2004. -

- Waage, S.; Sviland, S. und Odegaard, S. A. (1998):  
Identification of risk factors for clinical mastitis in dairy heifers.  
J Dairy Sci 81 (5). 1275-1284.
- Wallmann, J.; Kaspar, H. und Kroker, R. (2004):  
[The prevalence of antimicrobial susceptibility of veterinary pathogens isolated from cattle and pigs: national antibiotic resistance monitoring 2002/2003 of the BVL].  
Berl Munch Tierarztl Wochenschr 117 (11-12). 480-492.
- Weiss, W. P.; Hogan, J. S.; Smith, K. L. und Hoblet, K. H. (1990):  
Relationships among selenium, vitamin E, and mammary gland health in commercial dairy herds.  
J Dairy Sci 73 (2). 381-390.
- Wendt, K.; Lotthammer, K. H.; Fehlings, K. und Spohr, M. (1998):  
Handbuch Mastitis. - Ed. Kamlage Verlag
- Williamson, J. H.; Woolford, M. W. und Day, A. M. (1995):  
The prophylactic effect of a dry-cow antibiotic against *Streptococcus uberis*.  
N Z Vet J 43 (6). 228-234.
- Wilson, D. J.; Gonzalez, R. N. und Das, H. H. (1997):  
Bovine mastitis pathogens in New York and Pennsylvania: prevalence and effects on somatic cell count and milk production.  
J Dairy Sci 80 (10). 2592-2598.
- Woolford, M. W.; Williamson, J. H.; Day, A. M. und Copeman, P. J. (1998):  
The prophylactic effect of a teat sealer on bovine mastitis during the dry period and the following lactation.  
N Z Vet J 46 (1). 12-19.