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Contents

Editorial

Waner, T. 132

Original articles

Analysis of Long Term (20 Years) In-Vitro Susceptibility to Antibacterial
Drugs of the Most Prevalent Animal Bacterial Pathogens Isolated in Israel.
Part 2: Multi-Drug Resistance

Elad, D., Blum, S., Fleker, M., Zukin, N., Weissblit, L. and Shlomovitz, S. 133

Geographic Translocation of Dog Rabies by Tourism

David, D., Dveres, N., Davidson, I., Yagil, J., Dvorkin, Z. and Oved, Z. 139

Intra-Articular Pressure in the Horse

Paggi, E., Laus, F., Cerquetella, M., Spaterna, A. and Tesi, B. 142

Novel Local Sustained Released Varnish for Reducing
Oral Bacteria in Dogs

Lavy, E., Ezroni, G., Friedman, M. and Steinberg, D. 147

Investigation Study of Turkey Meningo-Encephalitis (TME) Vaccine
Failure: Causes and Solutions in the Field

Perelman, B., Kin, E., Heifez, S., Noah-Bennet, C., Even-Chen, T.,
Ashash, U., Finger, A. and Perek, S. 154

Options for Handling Chronic Subclinical Mastitis During Lactation
in Modern Dairy Farms

Leitner, G., Koren, O., Jacoby, S., Merin, U. and Silanikove, N. 162

Methylase Genes-Mediated Erythromycin Resistance in *Staphylococcus*
aureus from Bovine Mastitis in China

Ding, Z., Zhang, H., Tang, W., Tong, C., Li, R., Chen, L., Pu, L.,
Zhu, Z. and Cui, Y. D. 170

Case reports

Budd-Chiari-Like Syndrome Associated with a Pheochromocytoma
Invading the Right Atrium in a Dog

Rosa, C., Schoeman, J.P. and Dvir, E. 180

Treatment of Chronic Lymphocytic Leukemia in a Ring-Tailed Lemur
(*Lemur catta*)

Dank, G., Horowitz, I., and Aroch, I. 186

DVD Review

FoalinMare. Insights Inside the Foaling Mare.

Written by Govaere, J., Martens, K. and de Kruif, A.
Reviewed by Raz, T. 190

Instructions to Authors 192

Front Cover: JERSEY HOLSTEIN CROSSBREED

Crossbreeding allows for the potential to improve herd fertility and health through heterosis or hybrid vigor effects. The Holstein cow is a high milk volume producer and the Jersey cow has a tendency to produce milk with a high solid content. Both these breeds have been established as the predominant breeds in the United States. Calving ease and a relatively lower rate of dystocia especially during first calving, makes the Jersey breed popular for crossbreeding with other dairy and beef breeds. In Israel several herds have been inseminated with Jersey bulls. Compare to the Holstein breed the crossbred cows produced 9% less milk and higher components of 0.4 and 0.1 units for fat and protein percentage, respectively. Direct effect of Jersey bulls for calving difficulty and dystocia were lower compared to Holstein bulls. Conception rate of crossbred cows was mildly higher than Holstein cows.