(1) – **A Field Survey on Concentration of Odor Compounds in Pig Buildings and Boundary Areas**
YOO, Y.H., E., MAIL: YOOYH@RDA.GO.KR; KIM, T.I.; JEONG, J.W.; KWAK, J.H.; CHOI, H.C.; SONG, J.I.; YANG, C.B.; JANG, Y.K.; KIM, H.J.; SONG, K.P.
National Livestock Research Institute, RDA, Suwon, Republic of Korea
Journal of Livestock Housing and Environment, v. 11(1) p. 45-54. (Apr 2005). – *Ko (Korean)*
(4250704) [S05/2006-024309]

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AMMONIA; HYDROGEN SULPHIDE
(AGRIS)

(2) – **Activation by Combined Treatment with Cycloheximide and Electrical Stimulation of In-Vitro Matured Porcine Improves Subsequent Parthenogenetic Development**
NARUSE, KENJI; KIM, .H.R.; SHIN, Y.M.; CHANG, S.M.; LEE, H.R.; TARTE, VAISHALI; QUAN, Y.S.; KIM, B.C.; PARK, T.Y.; CHOI, S.M.; PARK, C.S.; JIN, D.I., E., MAIL: DIJIN@CNU.AC.KR
Chungnam National University, Daejeon, Republic of Korea
Reproductive and Developmental Biology, v. 30(1) p. 41-45. (Mar 2006). – *En (English)*
(4250704) [S05/2006-024508]

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CYCLOHEXIMIDE; IN VITRO CULTURE

Electrical treatment has been widely used for porcine oocytes activation. However, developmental rates following electrical activation of porcine oocytes is relatively inefficient compared to other domestic animals. To investigate the effects of porcine oocytes on combined activation by both chemical and electrical treament. Cumulus-free oocytes were exposed with NCSU-23 medium containing cycloheximide (10_g/ml) for 0, 5, 10, 20, 30 min abd then activated by electrical pulse treatment and cultured in PZM-3 for 8 days.
(AGRIS)

(3) – **Ammonia Emission Characteristics of the Naturally Ventilated Growing-finishing Pig Building in Winter**
LEE, S.H., E., MAIL: LEESH428@RDA.GO.KR; CHO, H.K.; KIM, K.W.; LEE, I.B.; CHOI, K.J.; OH, K.Y.; YU, B.K.
National Institute of Agricultural Engineering, RDA, Suwon, Republic of Korea
Journal of Livestock Housing and Environment, v. 11(2) p. 103-110. (Aug 2005). – *Ko (Korean)*
(4250704) [S05/2006-024330]

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CARBON DIOXIDE
(AGRIS)

(4) – **An internet portal dedicated to pig production and wild suids in the tropics**
PORPHYRE, VINCENT;GOURMENT, CYRILLE;ERWIN, THIERRY;NOUAILLE, CHRISTINE
In : Annals of the New York Academy of Science = ISSN 0077-8923. - (2006)vol.1081; 526-527 – *Anglais*
(4250704) [L00/536151]

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Considering that a wide access to updated and relevant data is a key point for livestock development and research improvement in tropics, The PigTrop web site (http://pigtrop.cirad.fr) is dedicated to pig production and pork commodity chains in developing countries. It mainly addresses stakeholders involved in the pig commodity chain, but also researchers, students, or development agencies with an interest in tropical pig breeding. It is run by the French Agricultural Research Centre for International Development (CIRAD). (Résumé d'auteur)
(AGRITROP)

(5) – **Analysis of Sperm Ability in Specific Pathogen Free Miniature Pig for Production of Bio-Organ**
KIM, T.S.; CAO, Y.; CHEONG, H.T.; YANG, B.K.; PARK, C.K., E., MAIL: PARKCK@KANGWON.AC.KR
Kangwon National University, Chuncheon, Republic of Korea
Reproductive and Developmental Biology, v. 29(3) p. 149-154. (Sep 2005). – *En (English)*
(4250704) [S05/2006-024560]

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REPRODUCTION
(AGRIS)

(6) – **Antimicrobial resistance profile and susceptibility of Escherichia coli isolated from piglets with diarrhoea raised outdoors in the south-western region of Parana, Brazil – Perfil de resistencia e sensibilidade antimicrobiana de amostras de Escherichia coli isoladas de leitoes com diarreia criados ao ar livre na regiao do Parana, Brasil.**

FILIPPSEN, L.F.; RIBEIRO, J.; LEITE, D.M.G.

Veterinaria Noticias (Brazil), v. 11(1) p. 53-58. 2005. – *Pt (Portuguese)*

(4250704) [S05/2006-027605]

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SWINE; DIARRHOEA; BACTERIA; ANIMAL HUSBANDRY; RESISTANCE TO CHEMICALS

(AGRIS)

(7) – **Apoptosis and Development of Porcine Parthenogenetic Embryos Activated and Cultured in Different Condition**

HWANG, I.S.; SEO, J.S.; CHEONG, H.T

National Livestock Research Institute, RDA, Suwon, Republic of Korea

Reproductive and Developmental Biology, v. 30(1) p. 65-70. (Mar 2006). – *Ko (Korean)*

(4250704) [S05/2006-024477]

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to be used for document ordering

APOPTOSIS; IN VITRO CULTURE

This study investigated apoptosis and in vitro development of parthenogenetic preimplantation porcine embryos. In vitro matured oocytes for 42-44h were used. Apoptotic cell death was analyzed by using a terminal deoxynucleatidyl transferase mediated deoxyuridine 5-triphosphate nick-end labling (TUNEL) assay. In experiment I, oocytes were activated with two electric pulses (DC) of 1.2kV/cm for 30 _sec (E), E+6-dimethylaminopurine (6-DMAP)or E+cycloheximide (CH) and cultured in PZM-3 under5% CO2 in air at 38.5_.

(AGRIS)

(8) – **Backcrossing of Landrace x large white croosbred as an alternative system in the production of female breeding pigs for the smallholders**

PENALBA, F.F

Philippine Univ. Los Banos, College, Laguna (Philippines) Animal and Dairy Sciences Cluster

College, Laguna (Philippines). Jun 2005. 35 leaves. – *En (English)*

(4250704) [S05/2006-030547]

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SWINE; CROSSBREDS; BACKCROSSING; SMALL FARMS; REPRODUCTIVE PERFORMANCE; PHILIPPINES

(AGRIS)

(9) – **Chemical Composition Change of Pasteurized and Cured Food Waste Using a Semi-dehydration Method and Optimal Feed Formulation for Swine**

BAIK, Y.H.; JI, K.S.; SEO, I.J.; KWAK, W.S., E., MAIL: WSK@KKU.AC.KR

Konkuk University, Chungju, Republic of Korea

Journal of Livestock Housing and Environment, v. 11(1) p. 61-70. (Apr 2005). – *Ko (Korean)*

(4250704) [S05/2006-024362]

à utiliser pour commander
to be used for document ordering

FOOD WASTES; CHEMICAL COMPOSITION; FEEDS; RECYCLING

(AGRIS)

(10) – **Cloning and Sequencing of Heterozygous PSS Gene in Pigs**

YOO, J.Y.; KIM, G.W., E., MAIL: KIMGOONG@KONGJU.AC.KR; LEE, J.W.; KIM, Y.B.; LEE, J.Y.; LEE, D.H.; LEE, H.J.; YOON, J.M.; PARK, H.Y.

Konkuk University, Chungju, Republic of Korea

Reproductive and Developmental Biology, v. 29(1) p. 15-18. (Mar 2005). – *Ko (Korean)*

(4250704) [S05/2006-024547]

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PORCINE STRESS SYNDROME; CLONING

(AGRIS)

(11) – **Comparison between different methods of artificial insemination in swine – Comparacao entre diferentes metodos de inseminacao artificial em suinos.**

FLORES, L.A., DOS, S.; WENTZ, I.; BORTOLOZZO, F.P.; BORCHARDT, NETO, G.; BALESTRIM, R.F.; GAVA, G.; KUMMER, R.

Ciencia Rural (Brazil), v. 34(4) p. 1169-1175. Jul Aug 2004. – *Pt (Portuguese)*

(4250704) [S05/2006-027328]

à utiliser pour commander
to be used for document ordering

SWINE; ARTIFICIAL INSEMINATION; METHODS; REPRODUCTIVE PERFORMANCE; RIO GRANDE DO SUL

(AGRIS)

(12) – **Comparison of Developmental competency of Porcine Embryos Cloned with Mesenchymal Stem Cells and Somatic Cells**

JIN, H.F.; KUMAR, B.M.; CHO, S.K.; OCK, S.A.; JEON, B.G.; BALASUBRAMANIAN, S.; CHOE, S.Y.; RHO, G.J., E., MAIL: JINRHO@GSNU.AC.KR

Institute of Animal Medicine, College of Veterinary Medicine,Gyeongsang National University, Jinju, Republic of Korea

Reproductive and Developmental Biology, v. 30(2) p. 119-124. (Jun 2006). – *En (English)*

(4250704) [S05/2006-024579]

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to be used for document ordering

TREE CLASSES; CELLS

The present study compared the developmental potential of cloned porcine embryos with mesenchymal stem cells (MSCs), fetal fibroblasts (FFs) and cumulus cells (CCs) by assessing the cleavage and cleavage and blastocyst rate, total cell number, inner cell mass (ICM) ratio and apoptosis. MSCs were isolated by ficoll gradients from femur of ˜6 month old female pig, and maintained for primary cultures. FFs from a female fetus at ˜30 day of gestation were established, and CCs were obtained from cumulus oocyte complexes (COCs) aspirated from 3˜6 mm follicles in diameter.

(AGRIS)

(13) – **Comparison of the Chicken Large Intestine to the Large Intestine of Pigs and the Rumen of Cows**

NAHM, K.H., E., MAIL: KHNAHM1@CS.COM

Daegu University, Gyeongsan, Republic of Korea

Korean Journal of Poultry Science, v. 33(1) p. 81-95. (Mar 2006). – *Ko (Korean)*

(4250704) [S05/2006-024410]

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to be used for document ordering

VOLATILE FATTY ACIDS

The large intestine of the chicken differs both anatomically and physiologically from the pig's large intestine and the rumen of the cow. The chicken's large intestine is less developed than the pig's large intestine or the cow's rumen. This paper summaries these differences. The chicken's large intestine contains a microbiological population similar to that found in the rumen. The chicken's caeca especially contains a large number of microorganisms, but this population varies according to age, feed, maturity, antibiotic use and etc.. Protein is an essential nutrient for the formation of intestinal microvilli.

(AGRIS)

(14) – **Comparisons of Developmental Potential and Gene Expression Level in Porcine Nuclear Transfer, Parthenogenetic and Fertilized Embryos**

KIM, J.G.; KUMAR, B.M.; CHO, S.K.; OCK, S.A.; JEON, B.G.; BALASUBRAMANIAN, S.; RHO, G.J.; CHOE, S.Y., E., MAIL: SYCHOE@GSNU.AC.KR

Institute of Animal Medicine, College of Veterinary Medicine, Gyeongsang National University, Jinju, Republic of Korea

Reproductive and Developmental Biology, v. 30(2) p. 125-133. (Jun 2006). – *En (English)*

(4250704) [S05/2006-024478]

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APOPTOSIS

This study was conducted to detect the apoptosis incidence in blastocysts and to compare the abundance of Bax, Bcl2L1, VEGF and FGFR2 in in vitro fertilized (IVF), parthenogenetic (PAT) and nuclear transfer (NT) embryos. Oocytes matured for 40 hr were enucleated and reconstructed with confluenced fetal fibroblasts (FFs) derived from a ˜45 day fetus. Reconstructed eggs were then fused with 2 DC pulses (2.0 kV/cm, 30 _sec) and cultured with 7.5 _/ml cytochalasin B for 3 hr. Parthenotes (PAT) were produced with the same electric strength and culture for NT eggs.

(AGRIS)

(15) – **Determination of Nutrient Contents of Liquid Pig Manure and the Correlation of Components as Fertilizer in Western Jeju Area**

SONG, S.T., E., MAIL: SS2252@JEJU.GO.KR; KIM, M.C.; HWANG, K.J.
Jeju Province Research Institute of Health and Environmen, Republic of Korea

Journal of The Korean Society of Grassland Science, v. 26(1) p. 15-24. (Mar 2006). – *Ko (Korean)*
(4250704) [S05/2006-024431]

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EUROPEAN UNION

This study was conducted to make a rapid and easy determination for the fertility of liquid pig manure as fertilizer by investigating the contents, and correlation coefficients of various nutrients. Samples were collected from 118 local pig farms in the western area of Jeju in Korea. Electrical conductivity (EC), dry matter (DM), NH4-N and minerals were determined and the relationships smong them were examined. The collected liquid manure samples from 118 pig farms were classified according to the level of DM contents;3%(92farms), 3˜6%(18farms), 6˜9%(5farms) and 9%(3farms), based on the collected data, most of the liquid manure coming from the local pig farms contain small amount of dry matter.

(AGRIS)

(16) – **Development and evaluation of premoulded ferrocement plates for water circulation to be used in piglets at lactating cage – Desenvolvimento e avaliacao de placas pre-moldadas de argamassa armada para circulacao de agua, visando sua utilizacao em maternidades de suinos.**

MOREIRA, R.F.; FERNANDES, H.C.; COUTO, L.G.; REIS, F.P.; JESUS, J.C., DE; PEREIRA, A., DE, M.; CAMILO, A.J.

Engenharia na Agricultura (Brazil), v. 12(1) p. 39-50. Jan Mar 2004. – *Pt (Portuguese)*
(4250704) [S05/2006-027177]

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to be used for document ordering

SOWS; WATER TEMPERATURE; WOOD CHIPS; ANIMAL HOUSING; ENVIRONMENTAL FACTOS; MINAS GERAIS

(AGRIS)

(17) – **Development of Porcine Embryos Following Intracytoplasmic Sperm Injection I. Effect of Activation and Sperm Capacitation**

MOON, S.J.; AHN, S.J.; KANG, M.J.; KIM, K.H., E., MAIL: SWINE@CHONNAM.AC.KR
Chonnam National University, Gwangju, Republic of Korea

Korean Journal of Embryo Transfer, v. 20(3) p. 201-206. (Dec 2005). – *Ko (Korean)*
(4250704) [S05/2006-024573]

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SWINE

(AGRIS)

(18) – **Development of Porcine Parthenogenetic Oocytes Activated with Different Combination of Chemicals**

SEO, J.S.; HWANG, I.S.; KIM, S.W.; PARK, H.S.; KIM, D.H.; YANG, B.C.; KONG, I.K.; YANG, B.S.; IM, G.S., E., MAIL: GSIM@RDA.GO.KR
Rural Development Administration, Suwon, Republic of Korea

Reproductive and Developmental Biology, v. 30(1) p. 1-5. (Mar 2006). – *Ko (Korean)*
(4250704) [S05/2006-024507]

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CYCLOHEXIMIDE

Artificial activation of oocytes is a prerequisite for the successful cloning by nuclear transfer. This study investigated the effect of the different combination of activation agents such as electric pulse (E), thimerosal (Thi) +dithiothreitol (DTT), 6-dimethylaminopurine (6-DMAP) or cycloheximide (CH) on the developmental ability of porcine embryos derived from parthenogenetic activation (PA). PA embryos activated with chemicals showed significantly higher developmental rate to the blastocyst stage compared to the embryos activated with E alone(21.5˜28.1% vs.18.0%, respectively).

(AGRIS)

(19) – **Development of Semen Extenders by Assessment of Sperm Viability in Miniature-Pig Semen**
LEE, S.H.; CHEONG, H.T.; YANG, B.K.; PARK, C.K., E., MAIL: PARKCK@KANGWON.AC.KR
Kangwon National University, Chuncheon, Republic of Korea
Reproductive and Developmental Biology, v. 29(4) p. 247-252. (Dec 2005). – *En (English)*
(4250704) [S05/2006-024572]

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SWINE
(AGRIS)

(20) – **Developmental Rate of Vitrified Porcine Oocytes and Its Application to NT Embryos Constructed by Microinjection of Fibroblast Cells into Vitrified Oocytes**
LEE, M.H.; LEE, B.K.; KIM, S.K., E., MAIL: KSKKIM@CNU.AC.KR
National Veterinary Research and Quarantine Service, Anyang, Republic of Korea
Korean Journal of Embryo Transfer, v. 20(3) p. 207-215. (Dec 2005). – *En (English)*
(4250704) [S05/2006-024581]

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VITRIFICATION
(AGRIS)

(21) – **Dynamique de l'antibiorésistance des souches d'Escherichia coli isolées des fèces des porcelets sevrés (cas de la Ferme Lwanika - Lubumbashi (Zaïre)**
MPOSHY, MALANGU;NEMES, D.;MASSINE, P.K.
In : Revue d'élevage et de médecine vétérinaire des pays tropicaux = ISSN 0035-1865. - (1983)vol.36:n° 3; 247-250 – *Français*
(4250704) [L00/535409]

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ANTIBIOTIQUE;PENICILLINE;ESCHERICHIA COLI;PORCELET;FECES; REPUBLIQUE DEMOCRATIQUE DU CONGO; REPUBLIQUE DEMOCRATIQUE DU CONGO

Les auteurs ont étudié la dynamique de l'antibiorésistance de souches de E. coli isolées de fèces de porcelets sevrés vis-à-vis des antibiotiques les plus couramment utilisés dans la région de Lubumbashi (Zaïre) dans l'élevage porcin. Si cette antibiorésistance n'est pas encore de nature à inquiéter, il convient de la surveiller. Déjà la pénicilline n'est plus douée que d'une très faible activité. Par contre E. coli présente une grande sensibilité à la Furadantine et à la Kanamycine. (Résumé d'auteur)
(AGRITROP)

(22) – **Effect of Amino Acids Supplemented to Culture Medium on Development of Porcine Embryos Cultured in Vitro**
KIM, Y.S.; SONG, S.H
Jinju National University, Jinju, Republic of Korea
Reproductive and Developmental Biology, v. 29(3) p. 201-205. (Sep 2005). – *Ko (Korean)*
(4250704) [S05/2006-024474]

à utiliser pour commander
to be used for document ordering

AMINO ACIDS
(AGRIS)

(23) – **Effect of Application Level of Swine Slurry on Agronomic Characteristics and Yield of Corn and NO$_3$-N Content of Corn Field**
LIM, Y.C., E., MAIL: YCLIML@RDA.GO.KR; YOON, S.H.; KIM, J.G.; CHOI, G.J.; KIM, W.H.; SEO, S.; LEE, S.J.; YOOK, W.B.
National Livestock Research Institute, RDA, Suwon, Republic of Korea
Journal of Livestock Housing and Environment, v. 11(2) p. 117-124. (Aug 2005). – *Ko (Korean)*
(4250704) [S05/2006-024355]

à utiliser pour commander
to be used for document ordering

ENVIRONMENT; FERTILIZERS
(AGRIS)

(24) – **Effect of breed of sire on growth performance of exotic crossbred pigs in a humid tropical environment.**

OKE, U. K.; IBE, S. N.; OLOGBOSE, F. I.; AMAEFULA, K. U.
Department of Non-Ruminant Animal Production, Michael Okpara University of Agriculture Umudike P.M.B. 7267, Abia State, Nigeria.

Journal of Animal and Veterinary Advances; 2006; 5; 9; p.744-748 – *English*
(4250704) [A20/20073050740]

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ANIMAL BREEDING; BOARS; BODY LENGTH; BODY MEASUREMENTS; BODY WEIGHT; BREED DIFFERENCES; CROSSBRED PROGENY; CROSSBREEDING; DUROC; GROWTH RATE; HAMPSHIRE; HEART GIRTH; LARGE WHITE; SIRES; SOWS; TROPICS; PIGS

This study investigated the effect of breed of sire on growth characteristics of exotic crossbred pigs in a humid tropical environment. Body weight and other body traits, namely body length (BL), height at withers (HTW), heart girth (HG) and rear girth (RG) were measured biweekly for 3 months (12 weeks) on 96 crossbred progeny of 12 Large White (LW) sows mated with 3 different breeds of sire, namely Large White, Hampshire (HS) and Duroc (DC) in the ration of 1:4. The data were subjected to analysis of variance appropriate for completely randomized design (C.R.D.) and significant means were separated with Duncan's new multiple range test (DNMRT). There were significant ($P < 0.05$) differences among the breeds of sire for BW, HG and RG at different ages. HS-sired progeny were superior to the progeny of the other breeds for most of the traits measured postweaning. The analysis showed that during the preweaning phase, HS-sired progeny were superior in 48%, LW-sired progeny were superior in 40% and C-sired in 12% in all the traits measured. HS-sired progeny were superior in 70% of all traits, while those of LW sires showed superiority in only 30% of the traits in the postweaning phase. The Hampshire breed is recommended as the preferred sire breed for crossbreeding purposes to bring about genetic improvement in growth of pigs in a humid tropical environment. Regressions (R2) of body weights on linear body measurement were all very highly significant ($P < 0.001$) except at 70 days where R2 was poor (10.5%). The determined prediction equation shows that BL and RG could be effectively used to predict body weight of pigs.
(CAB ABSTRACTS)

(25) – **Effect of Co-culture with Spermatozoa on the Resumption of Meiosis in Porcine Germinal Vesicle Oocytes Arrested with Meiotic Inhibitors**

KIM, B.K., E., MAIL: BKKIM@DEU.AC.KR
Dong-Eui University, Busan, Republic of Korea

Reproductive and Developmental Biology, v. 29(4) p. 223-227. (Dec 2005). – *En (English)*
(4250704) [S05/2006-024535]

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OVA; SPERMATOZOA
(AGRIS)

(26) – **Effect of Culture Medium, Temperature and Coculture on Culture of Immature Porcine Spermatogonia Cells**

KIM, H.J., E., MAIL: HYUNJONG@RDA.GO.KR; CHO, S.R.; CHOI, S.H.; HAN, M.H.; SON, D.S.; RYU, I.S.; KIM, I.C.; LEE, J.H.; KIM, I.H.; IM, K.S.
National Livestock Research Institute, RDA, Namwon, Republic of Korea

Korean Journal of Embryo Transfer, v. 20(1) p. 35-41. (Apr 2005). – *Ko (Korean)*
(4250704) [S05/2006-024575]

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TEMPERATURE
(AGRIS)

(27) – **Effect of Epidermal Growth Factor (EGF) on Meiotic Maturation and Pronuclear Formation of Porcine Oocytes Produced In Vitro**

SONG, S.H.; KIM, J.G.; SONG, H.J.; KUMAR, B., MOHANA; CHO, S.R.; CHOE, C.Y.; CHOI, S.H.; RHO, G.J., E., MAIL: JINRHO@GSNU.AC.KR; CHOE, S.Y.
Changwon College, Changwon, Republic of Korea

Reproductive and Developmental Biology, v. 29(2) p. 127-131. (Jun 2005). – *En (English)*
(4250704) [S05/2006-024514]

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EPIDERMAL GROWTH FACTOR
(AGRIS)

(28) – **Effect of Microbial Inoculant to Pig Liquid Fertilizer on Germination Index of Chinese Cabbage**
KIM, T.I., E., MAIL: KIMTI@RDA.GO.KR; YOO, Y.H.; CHUNG, E.S.; BARROGA, A.J.; YANG, C.B.; KIM, M.K.
National Livestock Research Institute, RDA, Suwon, Republic of Korea
Journal of Livestock Housing and Environment, v. 11(2) p. 135-146. (Aug 2005). – *Ko (Korean)*
(4250704) [S05/2006-024380]

à utiliser pour commander
to be used for document ordering

LIQUID FERTILIZERS
(AGRIS)

(29) – **Effect of the Particle Size of Jeju Scoria on Growth Performance, Carcass Characteristics and Fecal Components in Pigs**
YANG, C.B., E., MAIL: YANGCB@RDA.GO.KR; KO, S.B.; CHO, W.T.; HAN, I.K.
National Livestock Research Institute, RDA, Suwon, Republic of Korea
Journal of Livestock Housing and Environment, v. 11(2) p. 77-88. (Aug 2005). – *Ko (Korean)*
(4250704) [S05/2006-024386]

à utiliser pour commander
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NITROGEN; PHOSPHORUS
(AGRIS)

(30) – **Effect of zinc resources and levels on serum hormone levels of weaning stress piglets**
TANG, JISHUN, WU, JINJIE, WANG, XICHUN
, v.39 (6) p. 1241-1247. Jun. 2006. – *Zh (Chinese)*
(4250704) [S05/2006-030629]

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ZINC; PIGLETS; HORMONES; WEANING; STRESS

Anhui Agriculture University_Hefei (China), College of Animal Science and Technology The purpose of this experiment was to study the effects of different dozes and kinds of high zinc diets on serum hormone levels of weaning stress piglets. One hundred _Duroc xLandracexYorkshire_ crossbred weanling piglets [(26 +/-2) d of age] were randomly divided into 5 groups of 20 piglets each by weight and sex, fed with basal diet, basal diet plus 2 000 or 3 000 mg/kg zinc (from ZnO), and basal diet plus 250 or 500 mg/kg zinc (from Zn-Met), respectively. The trial was conducted for 14 d. Blood samples were taken from the anterior vena cava for measuring some serum hormone levels. High zinc diets increased significantly absolute weight, average daily gain, and average daily feed intake of weanling stress piglets, decreased the ratio of feed to gain and postweaning diarrhea rates. Serum GH, INS, IGF-I, T3 levels of weaning stress piglets decreased, and serum cortisol levels increased significantly. High zinc diets increas d significantly serum GH, INS, IGF-I, and T3 levels. The results showed that high zinc diet can inhibit weanling stress and modulate growth-promoting hormone axis of piglets.
(AGRIS)

(31) – **Effects of Culture Medium and Osmolarity on In Vitro Maturation of Follicular Oocytes and Development of Parthenogenetic Embryos in Porcine**
KIM, M.K.; KWON, D.J.; PARK, C.K.; YANG, B.K.; CHEONG, H.T., E., MAIL: HTCHEONG@KANGWON.AC.KR
Kangwon National University, Chuncheon, Republic of Korea
Reproductive and Developmental Biology, v. 29(3) p. 169-174. (Sep 2005). – *Ko (Korean)*
(4250704) [S05/2006-024526]

à utiliser pour commander
to be used for document ordering

IN VITRO CULTURE; OSMOLALITY
(AGRIS)

(32) – **Effects of Cumulus Cells and Follicular Fluid on Plasminogen Activator Activity during In Vitro Maturation of Porcine Oocytes**

ANN, J.Y.; SA, S.J.; CAO, Y.; LEE, S.Y.; CHEONG, H.T.; YANG, B.K.; PARK, C.K., E., MAIL: PARKCK@KANGWON.AC.KR
College of Animal Life Science, Kangwon National University, Chuncheon, Republic of Korea

Reproductive and Developmental Biology, v. 30(2) p. 135-141. (Jun 2006). – *En (English)*
(4250704) [S05/2006-024546]

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PLASMINOGEN ACTIVATOR

The present study was conducted to investigate the effects of cumulus cells and porcine follicular fluid (pFF) on plasminogen activator (PA) activity and oocytes matured to metaphase -II stage were significantly (P0.05) higher in medium with pFF than without pFF (69.8 vs. 37.7%, respectively). When COCs and DOs were cultured in the presence of pFF, tissue-type PA (tPA), urokinase-type PA (uPA), and tPA-PA inhibitor (tPA-PAI) were observed in COCs, and PA activities were higher at 48 hr than 24 hr. When COCs and DOs were cultured in the absence of pFF, tPA and tPA-PAI were observed in COCs, and PA activities were increased as duration of culture increased.
(AGRIS)

(33) – **Effects of EGF, _-ME, Glucose, O_ Concentrations and Fibroblasts Subculture on the Development of Porcine NT Embryos**

QUAN, J.H.; WANG, A.G.; KIM, S.K., E., MAIL: KSKKIM@CNU.AC.KR
Chungnam National University, Daejeon, Republic of Korea

Korean Journal of Embryo Transfer, v. 20(2) p. 147-156. (Aug 2005). – *En (English)*
(4250704) [S05/2006-024516]

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EPIDERMAL GROWTH FACTOR; GLUCOSE

(AGRIS)

(34) – **Effects of EGF, _-ME, Glucose on the In Vitro Maturation and Development of Porcine NT Embryos**

QUAN, J.H.; KIM, S.K., E., MAIL: KSKKIM@CNU.AC.KR
Chungnam National University, Daejeon, Republic of Korea

Korean Journal of Embryo Transfer, v. 20(2) p. 137-145. (Aug 2005). – *En (English)*
(4250704) [S05/2006-024515]

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EPIDERMAL GROWTH FACTOR; GLUCOSE

(AGRIS)

(35) – **Effects of Embryo Developmental Stage and Superoxide Dismutase on the Survival of Frozen-Thawed Porcine Embryos by Open Pulled Straw(OPS) Method**

LEE, S.Y., E., MAIL: SYLEE@GSND.NET; YU, J.S.; SA, S.J.; PARK, C.K.
Biotechnology Division, Gyeongsangnam Province Advanced Swine Research Institute, Sanchung, Republic of Korea

Reproductive and Developmental Biology, v. 30(1) p. 35-40. (Mar 2006). – *Ko (Korean)*
(4250704) [S05/2006-024570]

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SURVIVAL

This study was performed to investigate the effects of embryo developmental stage and superoxide dismutase (SOD) on the survival of frozen-thawed porcine embryos by open pulled straw (OPS)method. Porcine IVE blastocysts were frozen-thawed by OPS method and cultured for 48 h under the existence of SOD. There are no significant differences in the proportions of normal morphology among the early, mid-and expanded blastocyst stages (30,8˜38.6%).
(AGRIS)

(36) – **Effects of Floor Type and Increasing Market Weight on Performance and Pork Quality of Finishing Pigs**
KIM, D.H., E., MAIL: DHKIM@JINJU.AC.KR; KANG, J.D.; HA, D.M.
Jinju National University, Jinju, Republic of Korea
Journal of Livestock Housing and Environment, v. 11(3) p. 153-160. (Dec 2005). – *Ko (Korean)*
(4250704) [S05/2006-024312]

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ANIMAL HOUSING

(AGRIS)

(37) – **Effects of Genotypes on In Vitro Maturation and Fertilization of Frozen-Thawed Porcine Oocytes**
JIA, Y.H.; JIN, H.J.; WEE, M.S.; CHEONG, H.T.; YANG, B.K.; PARK, C.K., E., MAIL: PARKCK@KANGWON.AC.KR
Kangwon National University, Chuncheon, Republic of Korea
Reproductive and Developmental Biology, v. 29(4) p. 207-212. (Dec 2005). – *En (English)*
(4250704) [S05/2006-024484]

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BIOLOGICAL PRESERVATION; FREEZING; GENOTYPES

(AGRIS)

(38) – **Effects of Hexoses on In Vitro Development of Parthenogenetic Embryos in the Pigs**
YOON, S.Y.; KIM, C.I.; CHEONG, H.T.; YANG, B.K.; PARK, C.K., E., MAIL: PARKCK@KANGWON.AC.KR
Samsung Biomedical Research Institute, Seoul, Republic of Korea
Korean Journal of Embryo Transfer, v. 20(2) p. 113-121. (Aug 2005). – *Ko (Korean)*
(4250704) [S05/2006-024527]

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IN VITRO CULTURE; MONOSACCHARIDES; SWINE

(AGRIS)

(39) – **Effects of Kinds and Concentrations of Cryoprotectants, PVP on Survival Rate of Vitrified Porcine Embryos**
LIM, J.G.; QUAN, J.H.; LEE, K.S.; KIM, S.K., E., MAIL: KSKKIM@CNU.AC.KR
Chungnam National University, Daejeon, Republic of Korea
Korean Journal of Embryo Transfer, v. 20(2) p. 129-135. (Aug 2005). – *En (English)*
(4250704) [S05/2006-024580]

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VITRIFICATION; CRYOPROTECTANTS

(AGRIS)

(40) – **Effects of Kinds and Concentrations of Cryoprotectants, Trehalose, Sucrose-Addition in Cryoprotectants on the Survival Rates of Vitrification-Thawed Porcine IVM/IVF Embryos**
LIM, J.G.; QUAN, J.H.; LEE, K.S.; KIM, S.K., E., MAIL: KSKKIM@CNU.AC.KR
Chungnam National University, Daejeon, Republic of Korea
Korean Journal of Embryo Transfer, v. 20(2) p. 123-128. (Aug 2005). – *En (English)*
(4250704) [S05/2006-024537]

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OVA

(AGRIS)

(41) – **Effects of Maturation Duration and Activation Treatments on Activation and Development of Porcine Follicular Oocytes**

KIM, H.J.; CHOI, S.H.; HAN, M.H.; SON, D.S.; RYU, I.S.; KIM, I.C.; LEE, J.H.; KIM, I.H.; IM, K.S.; CHO, S.R., E., MAIL: JINSILRO@RDA.GO.KR
National Livestock Research Institute, RDA, Suwon, Republic of Korea

Korean Journal of Embryo Transfer, v. 20(1) p. 25-33. (Apr 2005). – *Ko (Korean)*
(4250704) [S05/2006-024542]

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PARTHENOGENESIS; ETHANOL

(AGRIS)

(42) – **Effects of Relaxin and Insulin on Porcine Granulosa-lutein Cell Steroidogenesis In Vitro**

LEE, M.S.; HOSSEIN, M.S.; LEE, C.K.; KANG, S.K., E., MAIL: KANGSNU@SNU.AC.KR; LEE, B.C.; HWANG, W.S.
Seoul National University, Seoul, Republic of Korea

Korean Journal of Embryo Transfer, v. 20(1) p. 71-77. (Apr 2005). – *Ko (Korean)*
(4250704) [S05/2006-024549]

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RELAXIN; INSULIN; PROGESTERONE

(AGRIS)

(43) – **Effects of Taurine and _-Tocopherol Treatment during Freezing on Sperm Characteristics and Function in Frozen-Thawed Porcine Semen**

SHIN, H.A.; KIM, C.K.; CHUNG, Y.C.; PANG, M.G., E., MAIL: MGPANG@CAU.AC.KR
Chung-Ang University, Ansung, Republic of Korea

Reproductive and Developmental Biology, v. 29(3) p. 155-162. (Sep 2005). – *Ko (Korean)*
(4250704) [S05/2006-024564]

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SEMEN; FREEZING; TAURINE

(AGRIS)

(44) – **Effet d'un ombrage et du taux protéique de la ration sur la croissance du porc local en Guadeloupe**

CHRISTON, R.

In : Revue d'élevage et de médecine vétérinaire des pays tropicaux = ISSN 0035-1865. - (1983)vol.36:n° 2; 191-196 – *Français*
(4250704) [L00/535398]

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OMBRE;PROTEINE;CROISSANCE;RATION;ALIMENTATION DES ANIMAUX;PORCIN; GUADELOUPE; GUADELOUPE

Vingt-huit porcs d'origine locale (porcs Créoles) pesant entre 25 et 95 kg de poids vif sont utilisés pour étudier l'influence d'un ombrage sur les performances de croissance et la composition corporelle selon le taux protéique de la ration. Sous l'effet de l'ombrage, la vitesse de croissance et l'efficacité alimentaire sont accrues de 13 p. 100 ($P < 0{,}01$) et 10,9 p. 100 ($P < 0{,}01$) entre 25 et 50 kg de poids vif et de 6,7 p. 100 et 5,2 p. 100 entre 50 kg et l'abattage à 95 kg de poids vif, respectivement. Le niveau d'ingestion des aliments n'est pas modifié par l'ombrage. L'élévation du taux protéique du régime entraîne une amélioration du gain de poids journalier ($P < 0{,}05$) et de l'indice de consommation ($P < 0{,}05$) uniquement au cours de la période de croissance (de 25 à 50 kg de poids vif). Le poids des glandes thyroïde et surrénales (en g/100 kg de poids vide) augmente de façon significative sous l'influence de l'ombrage et du taux protéique respectivement. Les caractéristiques des carcasses ne sont pas ignificativement modifiées par l'ombrage ou par le taux de protéines de l'aliment. (Résumé d'auteur)

(AGRITROP)

(45) – **Evaluation of sunflower meal on growth and carcass traits of finishing pigs – Evaluation of sunflower meal on growth and carcass traits of finishing pigs.**
CARELLOS, D., DE, C.; LIMA, J.A., DE, F.; FIALHO, E.T.; FREITAS, R.T.F., DE; SILVA, H.O.; CASTELO, BRANCO, P.A.; SOUZA, Z.A., DE; VIEIRA, NETO, J.
Ciencia e Agrotecnologia (Brazil), v. 29(1) p. 208-215. Jan Feb 2005. – *En (English)*
(4250704) [S05/2006-027238]

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SWINE; SUNFLOWER MEAL; CARCASSES; MEAT PERFORMANCE
(AGRIS)

(46) – **Expression of GFP Gene in the Porcine Preimplantation Embryos after ICSI with DNA/Sperm Complex**
HAN, J.H.; KIM, S.W.; LEE, P.Y.; PARK, C.G.; LEE, H.G.; YANG, B.S.; RHEE, K.H.; LEE, C.H.; LEE, H.T.; CHANG, W.K.; PARK, J.K., E., MAIL: PARKJK@RDA.GO.KR
National Livestock Research Institute, Rda, Suwon, Republic of Korea
Reproductive and Developmental Biology, v. 30(2) p. 87-92. (Jun 2006). – *En (English)*
(4250704) [S05/2006-024520]

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GENE EXPRESSION; EMBRYO TRANSFER

The possibility of producing transgenic embryos expressing the green fluorescence protein (GFP) gene have been evaluated after transfer of exogenous gene into the porcine zygote cytoplasm using the intracytoplasm sperm injection (ICSI) as gene delivery method. For DNA binding to sperm heads, 0.05% Triton X-100 or Lipofectin was used. After injection of the sperm bound to DNA by means of Lipofectin or Triton X-100 triturate, the blastocyst formation rates on day 6 were not significantly different from that of ICSI only group (18.8, 19.2 and 25.3%).
(AGRIS)

(47) – **Expression of the Recombinant Porcine GH Gene In Vitro Using Tetracycline Inducible Expression System**
KWON, M.S.; KOO, B.C.; KIM, T.A., E., MAIL: TAKIM@CU.AC.KR
Catholic University of Daegu, Gyungsan, Republic of Korea
Reproductive and Developmental Biology, v. 29(1) p. 49-55. (Mar 2005). – *Ko (Korean)*
(4250704) [S05/2006-024554]

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REPRODUCTION
(AGRIS)

(48) – **Feeding of piglets in post weaning with diets without microbian additives, with garlic (Allium sativum, L.) or colistin – Alimentacao de leitoes na creche com dietas sem aditivos antimicrobianos, com alho (Allium sativum, L.) ou colistina.**
LOVATTO, P.A.; OLIVEIRA, V., DE, ; HAUPTLI, L.; HAUSCHILD, L.; CAZARRE, M.M.
Ciencia Rural (Brazil), v. 35(3) p. 656-659. May Jun 2005. – *Pt (Portuguese)*
(4250704) [S05/2006-027240]

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SWINE; DIET; GARLIC; WEIGHT GAIN
(AGRIS)

(49) – **Field Survey on the Structure and Manure Treatment of Two-Storey and Sawdust Pig Houses in Korea**
JEONG, J.W.; YOO, Y.H., E., MAIL: JJWJEONG@RDA.GO.KR; SONG, J.I.; KIM, T.I.; JEON, B.S.; YANG, C.B.
National Livestock Research Institute, RDA, Suwon, Republic of Korea
Journal of Livestock Housing and Environment, v. 11(3) p. 169-176. (Dec 2005). – *Ko (Korean)*
(4250704) [S05/2006-024388]

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ORGANIC FERTILIZERS; SAWDUST; VENTILATION
(AGRIS)

(50) – **In Vitro Maturation of Round Spermatids Using Porcine Oviduct Epithelial Cell Monolayer Condition Medium**
JABED, MD., ANOWER; KAMAL, TANIA; LEE, S.M.; KIM, B.K., E., MAIL: BKKIM@DEU.AC.KR
Dong-Eui University, Busan, Republic of Korea
Reproductive and Developmental Biology, v. 29(4) p. 241-245. (Dec 2005). – *En (English)*
(4250704) [S05/2006-024539]

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OVIDUCTS
(AGRIS)

(51) – **Les facteurs limitants du petit élevage intensif des porcs et volailles au Cameroun**
TCHOUMBOUE, JOSEPH
In : Revue d'élevage et de médecine vétérinaire des pays tropicaux = ISSN 0035-1865. - (1983)vol.36:n° 4; 409-413 – *Anglais*
(4250704) [L00/535532]

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ELEVAGE INTENSIF;PORCIN;VOLAILLE; CAMEROUN; CAMEROUN

Le développement du petit élevage intensif se heurte au Cameroun à un certain nombre de facteurs limitants que l'auteur tente d'inventorier. Il s'agit: des problèmes d'alimentation, de la disponibilité en matériel animal (porcelets, poussins d'un jour), des facilités de crédit, des techniques d'élevage, et d'un circuit de commercialisation défectueux... Si des solutions adéquates sont trouvées à ces différents goulots d'étranglement, nul doute que la productivité du petit élevage intensif de porcs et volailles s'en trouvera améliorée. (Résumé d'auteur)
(AGRITROP)

(52) – **Levels of whey in the diets of pigs in post weaning phase – Niveis de soro de leite integral na dieta de leitoes na creche.**
HAUPTLI, L.; LOVATTO, P.A.; SILVA, J.H.S., DA; GARCIA, G.G.; BUM, JUNIOR, B., DE, S.; OLIVEIRA, J.L.S., DE
Ciencia Rural (Brazil), v. 35(5) p. 1161-1165. Sep Oct 2005. – *Pt (Portuguese)*
(4250704) [S05/2006-027239]

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SWINE; DIET; WHEY; WEANING
(AGRIS)

(53) – **Local epidemiosurveillance in swine diseases in Northern Vietnam**
PORPHYRE, VINCENT;NGUYEN NGOC SON;HA MINH TUAN;GENEWE, STERENN;HENRY, CÉLINE
In : Annals of the New York Academy of Science = ISSN 0077-8923. - (2006)vol.1081; 528-530 – *Anglais*
(4250704) [L00/536153]

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"The REMAPORC is an epidemiosurveillance network in swine diseases and an organizational model for local veterinary services in one district of Northern Vietnam. A strong concern was done on quality of the sanitary information chain from field and feedback to local agents. Based on 4,000 declarations provided by veterinarians and animal health workers involved, preliminary results highlighted the major incidence of porcine respiratory disease complex; digestive affections in piglets, and reproductive disorders in newly raised exotic sows have been also noticed. (Résumé d'auteur)"
(AGRITROP)

(54) – **Malignant edema in swine – Edema maligno em suino.**
PINTO, F.F.; ASSIS, R.A., DE; LOBATO, F.C.F.; VARGAS, A.C., DE; BARROS, R.R.; GONCALVES, L.A.
Ciencia Rural (Brazil), v. 35(1) p. 227-229. Jan Feb 2005. – *Pt (Portuguese)*
(4250704) [S05/2006-027624]

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SWINE; INFECTION; ENTEROTOXINS; POISONING; DIAGNOSIS; RIO GRANDE DO SUL
(AGRIS)

(55) – **Microclimate of creep for piglets submitted to different systems of heating during the winter period – Microclima de abrigos escamoteadores para leitoes submetidos a diferentes sistemas de aquecimento no periodo de inverno.**
PANDORFI, H.; SILVA, I.J.O., DA; MOURA, D.J., DE; SEVEGNANI, K.B.
Revista Brasileira de Engenharia Agricola e Ambiental (Brazil), v. 9(1) p. 99-106. Jan Mar 2005. – *Pt (Portuguese)*
(4250704) [S05/2006-027356]

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SWINE; ANIMAL HUSBANDRY; ENVIRONMENTAL CONTROL; MOISTURE CONTENT; WEIGHT GAIN; SAO PAULO
(AGRIS)

(56) – **Odor Emission Reduction from Enclosed Growing-Finishing Pig House Using Different Biofilter Media**
SONG, J.I., E., MAIL: SJUNIK@RDA.GO.KR; KIM, T.I.; CHOI, H.C.; YOO, Y.H.; JEONG, J.W.; YEON, K.Y.; BARROGA, ANTONIO; YANG, C.B.; KIM, D.H.; LEE, J.W.
National Livestock Research Institute, RDA, Suwon, Republic of Korea
Journal of Livestock Housing and Environment, v. 11(1) p. 55-60. (Apr 2005). – *Ko (Korean)*
(4250704) [S05/2006-024403]

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SMELL; GASES
(AGRIS)

(57) – **Origins and ramifications of the cranial and caudal mesenteric arteries in "Rezende" pigs fetuses – Origens e ramificacoes das arterias mesentericas cranial e caudal em fetos de suinos da linhagem "Rezende".**
CALABRIA, K.C.; SILVA, F.O.C., E
Veterinaria Noticias (Brazil), v. 11(1) p. 11-18. 2005. – *Pt (Portuguese)*
(4250704) [S05/2006-027375]

à utiliser pour commander
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SWINE; ARTERIES; ANIMAL MORPHOPLOGY
(AGRIS)

(58) – **Prevalence and epidemiology of Salmonella spp. in small pig abattoirs of Hanoi, Vietnam**
LE BAS, CEDRIC;HANH, TRAN T.;THUONG, DANG D.;THUY, NGO C.
In : Annals of the New York Academy of Science = ISSN 0077-8923. - (2006)vol.1081; 269-272 – *Anglais*
(4250704) [L00/536147]

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The prevalence of Salmonella spp. in pigs was evaluated in a survey of small abattoirs in Hanoi, Vietnam. Cecal contents, carcass swabs, and tank water samples were collected for bacterial isolation in various media. Prevalence rates exceeded 50% in pig samples and 62% in water samples. This increased prevalence indicates the need for risk assessment evaluations along the entire production chain. (Résumé d'auteur)
(AGRITROP)

(59) – **Production of Plasminogen Activators during In Vitro Maturation of Fresh or Frozen- Thawed Oocytes in the Pig**
CHEN, J.B.; SA, S.J.; CAO, Y.; CHOI, S.H.; CHEONG, H.T.; YANG, B.K.; PARK, C.K., E., MAIL: PARKCK@KANGWON.AC.KR
Kangwon National University, Chuncheon, Republic of Korea
Reproductive and Developmental Biology, v. 29(2) p. 75-82. (Jun 2005). – *En (English)*
(4250704) [S05/2006-024571]

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SWINE
(AGRIS)

(60) – **Relationship between HSP70 Gene Polymorphisms and IVF Embryo Development in Pigs**
JIN, H.J., E., MAIL: GENEZOO@RDA.GO.KR; KIM, I.C.; WEE, M.S.; YEON, S.H.; KIM, C.D.; CHO, C.Y.; CHOI, S.H.; CHO, S.R.; SON, D.S.; KIM, Y.K.; JUNG, J.H.; CHOI, H.S.; PARK, C.K.; KIM, C.I.
National Livestock Research Institute, RDA, Namwon, Republic of Korea
Korean Journal of Embryo Transfer, v. 20(3) p. 289-295. (Dec 2005). – *Ko (Korean)*
(4250704) [S05/2006-024574]

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SWINE
(AGRIS)

(61) – **Replacement of porcine abdominal aorta using pulmonary artery heterograft – Implante em aorta abdominal de suino de arteria pulmonar heterologa conservada em glicerina.**
OLIVEIRA, S.T., DE; RAISER, A.G.; BECK, C.A.C.; CONTESINI, E.A.; CUNHA, A.F.; WOEHL, V.M.; STEDILE, R.; LIMA, L.T., DE
Ciencia Rural (Brazil), v. 34(4) p. 1263-1264. Jul Aug 2004. – *Pt (Portuguese)*
(4250704) [S05/2006-027603]

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SWINE; DOGS; GLYCERINS; TRANSPLANTATION; ARTERIES
(AGRIS)

(62) – **Test of inactive oil-emulsion porcine parvovirus vaccine of different storage periods**
CHEN, XIAOQING,PAN, RAOLIN,ZHAO, BENJIN
, v.21 (4) p. 129-131. Nov. 2005. – *Zh (Chinese)*
(4250704) [S05/2006-030924]

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PORCINE PARVOVIRUS; VACCINES; STORAGE
The storage period of inactive oil-emulsion porcine parvovirus vaccine under 2- 8_ is 7 months according to the current regulation. In order to know if this vaccine stored under 2-8_ for one year could still accord with the quality standard of inactive oil-emulsion porcine parvovirus vaccine specified by _The quality standard of veterinary biological products of the People_s Republic of China_ _hereafter called the quality standard for short_, three groups of the inactive oil-emulsion porcine parvovirus vaccine were stored under 2-8_ for 8, 10, 12 and 14 months respectively and then tested for their physical properties, sterility, safety and effectiveness. The tested results showed that this vaccine could be stored under 2 - 8_ for one year, and its physical properties, sterility, safety and effectiveness could still accord with the quality standard.
(AGRIS)

(63) – **The incidence of Balantidium coli among local and exotic pigs in Ibadan, Nigeria**
AKINBOADE, O.A.;SADIQ, N.A.;DIPEOLU, O.O.
In : Revue d'élevage et de médecine vétérinaire des pays tropicaux = ISSN 0035-1865. - (1983)vol.36:n°2; 133-136 – *Anglais*
(4250704) [L00/535371]

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BALANTIDIUM;PORCIN;RACE INDIGENE;RACE INTRODUITE; NIGERIA; NIGERIA
(AGRITROP)

(64) – **The Search of Pig Pheromonal Odorants for Biostimulation Control System Technologies: _. Comparative Molecular Field Analysis (CoMFA) on Binding Affinities between Ligands of 2-(Cyclohexyloxy) Tetrahydrofurane Derivatives and Porcine Odorant Binding Prote**
SUNG, N.D., E., MAIL: NDSUNG@CNU.AC.KR; PARK, C.S.; JUNG, H.S.; SEONG, M.K.
Chungnam National University, Daejeon, Republic of Korea
Reproductive and Developmental Biology, v. 30(1) p. 13-19. (Mar 2006). – *Ko (Korean)*
(4250704) [S05/2006-024482]

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BINDING PROTEINS
To search of new porcine pheromonal odorants for biostimulation control system technologies to improve reproductive efficiency in livestock species, the comparative molecular field analysis (CoMFA) for binding affinity constant (p(Od)_50) between porcine odorant binding protein (pOBP) and ligands of odorant 2-(cyclohexyloxy) tetrahydrofurane derivatives as substrate molecule was conducted and discussed. In the optimized CoMFA model A_ with chirality (C1(R),C2(S) in substrate molecule and atom based fit alignment (A)of odorants.
(AGRIS)

(65) – **The Search of Pig Pheromonal Odorants for Biostimulation Control System Technologies: .. Holographic QSAR Model for Binding Affinities between Ligands of Volatile Odorants Molecules and Porcine Odorant Binding Protein (pOBP)**

SUNG, N.D., E., MAIL: NDSUNG@CNU.AC.KR; PARK, C.S.; CHOI, Y.S.; MYUNG, P.K.
Chungnam National University, Daejeon, Republic of Korea

Reproductive and Developmental Biology, v. 29(1) p. 43-48. (Mar 2005). – *Ko (Korean)*
(4250704) [S05/2006-024553]

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to be used for document ordering

REPRODUCTION
(AGRIS)

(66) – **The Study on the Application Level of Swine Slurry in Grassland Pasture**

YOON, S.H., E., MAIL: HIMRYOON@RDA.GO.KR; LIM, Y.C.; KIM, J.G.; JEONG, E.S.
National Livestock Research Institute, RDA, Cheonan, Republic of Korea

Journal of The Korean Society of Grassland Science, v. 26(2) p. 63-68. (Jun 2006). – *Ko (Korean)*
(4250704) [S05/2006-024435]

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GRASSLANDS

This experiment was carried out to investigate the availability of swine slurry on mixed grassland pasture. Three types of fertilizer was used, chemical fertilization (N-P2O5-K2O=210-150-180kg/ha), no fertilization and swine slurry was further subdivide into three groups (100%, 150%, 200%) as compared to the level of N used in the chemical fertilizer. The results showed that dry matter of swine slurry 200% was similar to that of chemical fertilizer, but percentage of legume in mixed pasture was lower in chemical fertilization.
(AGRIS)

(67) – **Viability of swine semen stored at 5 per cent C according to the cooling rate and previous incubation – Viabilidade de semen suino armazenado a 5 graus Celcius de acordo com a taxa de resfriamento e incubacao previa.**

KATZER, L.H.; BERNARDI, M.L.; BORTOLOZZO, F.P.; WENTZ, I.

Ciencia Rural (Brazil), v. 35(1) p. 138-144. Jan Feb 2005. – *Pt (Portuguese)*
(4250704) [S05/2006-027327]

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