

National Reference Laboratory for Reproductive Diseases in Animals

1. NRL experts

- NRL coordinator

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- NRL deputy coordinator

Dr. Pavel Nerone

- Team working

Dr. Bădulescu Raluca

Bg. Popescu-Chisălescu Anișoara

Dr. Leau Simona, PhD in medical sciences, veterinary medicine speciality

Dr. Vlaicu Viorica, post-university studies in veterinary laboratory diagnosis

Dr. Guțu Emanuela, PhD candidate

Dr. Rădulescu Ruxandra, PhD in medical sciences, veterinary medicine speciality

Dr. Tălmăciu Elena, PhD in medical sciences, veterinary medicine Speciality; undergraduate studies in specialty – animal health management

Bg. Moldoveanu Daniela Ruxandra

Ch. Coste Handan, PhD in biology

2. Correspondent Community Reference Laboratory

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3. Specific attributions

- The specialists working in this NRL have the responsibility for drawing up the handbook „Diagnosis Manual for Reproductive Diseases in Animals“.
- They also perform the changes and/or supplements for „Diagnosis Manual for Reproductive diseases in animals“ in accordance with new provisions of Community law and new recommendations of the World Animal Health Organization, established in „Manual of Diagnostic Tests and Vaccines for Terrestrial Animals“ and „Terrestrial Animal Health Code“.
- NRL experts approve the results of validity studies proving the reliability of methods/assays used in Romania for diagnosis and surveillance of reproductive diseases in animals.
- The experts coordinate pre-taking and drawing up the standards and diagnostic methods of reproductive diseases in animals in Romania.
- They carry out researches activities, assimilate and draw up the new analytical methods for laboratory diagnosis and surveillance of reproductive diseases in animals.
- They participate to the quality assurance activities and method standardization for diagnosis, surveillance and screening of reproductive diseases in animals, organized by accredited institutions in the field.
- The NRL specialists collaborate with accredited institutions in the field and benefit from training organized by this and supplying diagnostic standards, methods, reagents or diagnosis standards for reproductive diseases in animals.
- The NRL experts collaborate with international accredited organizations in the field, in order to improve the surveillance and diagnostic capacity of reproductive diseases in animals.
- In accordance with provisions of Diagnosis Manual, they carry out the laboratory tests/assays for diagnosis and surveillance of reproductive diseases in animals.
- The NRL experts supply the diagnosis expertise for reproductive diseases in animals in case of inconclusive results obtained by the sanitary veterinary and food safety county laboratories, and of Bucharest, respectively.
- The NRL experts supply the diagnosis expertise for reproductive diseases in animals in case of dispute settlement.

- The NRL experts check and certify the diagnosis value of all diagnosis reagent batches and diagnosis sets or kits for reproductive diseases in animals and designate their use by state sanitary veterinary laboratories from Romania.
- In preparation for yielding certain diagnosis reagents for reproductive diseases in animals, supplying them for all authorised sanitary veterinary and food safety laboratories.
- They coordinate the drawing up of diagnosis standards and methods for reproductive diseases in animals used by all authorized sanitary veterinary and food safety laboratories.
- The NRL experts perform the annual inter-laboratory comparative tests for checking the diagnostic capability for reproductive diseases in animals, for all authorized sanitary veterinary and food safety county laboratories from county sanitary veterinary and food safety directorates.
- NRL also organize training and continuous training activities, in order to teach the specialists working in the authorized sanitary veterinary and food safety laboratories, on carrying out laboratory surveillance for reproductive diseases in animals.
- The NRL experts carry out specific activities for identification and characterization the etiological agents of reproductive diseases in animals, their origin and type.
- NRL has the responsibility to characterize the etiological agents of reproductive diseases in animals, their genetic typing and designing the epidemiological genetic charts.
- They preserve the etiological agent of reproductive diseases in animals under maximum safety conditions.
- The experts from NRL participate to the authorization of sanitary veterinary and food safety laboratories; they write down the checking files and assessment report and verify the achievement of quality insurance system conditions.
- Periodically, they communicate to the European Commission the list of authorized and accredited institutions or sanitary veterinary and food safety laboratories, having specific competences for reproductive diseases in animals and also to notify any changes of the list.
- The NRL experts communicate, with the agreement of National Sanitary Veterinary and Food Safety Authority, the information requested by European Commission, World Animal Health Organization and other international accredited organizations and institutions in the field.
- The NRL experts provide, to National Sanitary Veterinary and Food Safety Authority and to sanitary veterinary and food safety county directorates, and of Bucharest, respectively, the official information on reproductive diseases in animals with the aim of establishing the national strategies and policies on reproductive diseases in animals.

- As a second or third part, they carry out advising activities, they grant technical advice and also they perform audit activities for institutions and organizations in animal husbandry or for those enterprises of which activities involve products or by-products derived from animals.
- In accordance with legislation in force, NRL promotes and implements the Good Laboratory Practice principles (GLP), to be used for applied research studies.
- They also participate to the drawing up, coordination, monitoring and carrying out some actions stipulated by "Programme for surveillance, prevention and control of animal diseases, those transmitted from animals to humans, animal and environmental protection", yearly approved by National Sanitary Veterinary and Food Safety Authority President's order.
- They participate to the establishing of maximum number of samples which are to be sampled for laboratory exams, regarding reproductive diseases in animals.
- They participate to the elaboration of law drafts for reproductive diseases in animals.
- They also participate to design the technical programs, the national and international projects regarding reproductive diseases in animals diagnosis and surveillance.
- The NRL experts participate or manage the research activities of national or international research programmes.

4. Activity in relation with correspondent Community Reference Laboratory

- Attendance to workshops
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- Attendance to trainings
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- Participation to the international inter-comparison and proficiency tests
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5. Activity in relation with correspondent national reference laboratories from Member States

- Attendance to workshops
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- Attendance to trainings

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- Participation to the international inter-comparison and proficiency tests
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6. Activity in relation with correspondent international reference laboratory

- Attendance to workshops
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- Attendance to trainings
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- Participation to the international inter-comparison and proficiency tests
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7. Activity in relation with other international accredited institutions in the field

- Attendance to workshops
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- Attendance to trainings
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- Participation to the international inter-comparison and proficiency tests
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8. Activity in relation with counties SVFSLs

- Workshop organization
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- Training organization
 - 2006 - Sampling, packaging, preservation and transport approach of semen samples. Laboratory examinations of deep frozen semen
 - 2007 - Sampling, packaging, preservation and transport approach of semen samples. Laboratory examinations of deep frozen semen
 - 2008 - Sampling, packaging, preservation and transport approach of semen samples. Laboratory examinations of deep frozen semen
 - 2009 - Sampling, packaging, preservation and transport approach of semen samples. Laboratory examinations of deep frozen semen

- Performing inter-comparison and proficiency tests
 - 2006 - Establishing the sperm cells morphology and their anomalies identification on stained smears
 - 2007 - Establishing the sperm cells morphology and their anomalies identification on stained smears
 - 2008 - Establishing the sperm cells morphology and their anomalies identification on stained smears
 - 2009 - Establishing the sperm cells morphology and their anomalies identification on stained smears

9. Activity in relation with other institutions than SVFSLs or legal and private person

- Workshop organization
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- Training organization
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- Performing inter-comparison and proficiency tests
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