Conclusions of the Research Subcommittee of the International Embryo Transfer Society (IETS) Import/Export Committee

Boston (United States of America), 17 January 1998

Based on a 1997 review by the Research Subcommittee of the International Embryo Transfer Society (IETS) Import/Export Committee of available research and field information on infectious diseases that have been studied apropos the risk of their transmission via in vivo-derived embryos, the IETS has categorised those diseases as follows:

**Category 1**
Diseases or disease agents for which sufficient evidence has accrued to show that the risk of transmission is negligible provided that the embryos are properly handled (1) between collection and transfer:
- Bluetongue (cattle)
- Brucella abortus (cattle)
- Enzootic bovine leukosis
- Foot and mouth disease (cattle)
- Infectious bovine rhinotracheitis: trypsin treatment required
- Aujeszky's disease (pseudorabies) (swine): trypsin treatment required.

**Category 2**
Diseases for which substantial evidence has accrued to show that the risk of transmission is negligible provided that the embryos are properly handled (1) between collection and transfer, but for which additional transfers are required to verify existing data:
- Bluetongue (sheep)
- Classical swine fever (hog cholera).

**Category 3**
Diseases or disease agents for which preliminary evidence indicates that the risk of transmission is negligible provided that the embryos are properly handled (1) between collection and transfer, but for which additional in vitro and in vivo experimental data are required to substantiate the preliminary findings:
- Bovine viral diarrhoea (cattle)
- Campylobacter fetus (sheep)
- Foot and mouth disease (swine, sheep, goats)
- Haemophilus somnus (cattle)
- Ovine pulmonary adenomatosis
- Rinderpest (cattle)
- Scrapie (sheep)
- Swine vesicular disease.

**Category 4**
Diseases or disease agents on which preliminary work has been conducted or is in progress:
- African swine fever
- Akabane (cattle)
- Bovine anaplasmosis
- Bluetongue (goats)
- Border disease (sheep)
- Bovine herpesvirus-4
- Bovine spongiform encephalopathy (cattle, goats)
- Ovine epididymitis (Brucella ovis)
- Caprine arthritis/encephalitis
- Chlamydia psittaci (cattle, sheep)
- Enterovirus (cattle, swine)
- Escherichia coli O9:K99 (cattle)
- Leptospirosis sp. (swine)
- Maedi-visna (sheep)
- Mycobacterium paratuberculosis (cattle)
- Parainfluenza-3 virus (cattle)
- Parvovirus (swine)
- Scrapie (goats)
- Ureaplasma/Mycoplasma spp. (cattle, goats)
- Vesicular stomatitis (cattle, swine).

Reference