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

Denver (United States of America), 14 January 1992

Based on a 1991 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 of the risk of their transmission through embryo transfer, the IETS has categorized 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\(^\text{c}\) between collection and transfer:

- Enzootic bovine leukemia
- Foot and mouth disease (cattle)
- Bluetongue (cattle)
- Brucella abortus (cattle)
- Infectious bovine rhinotracheitis (trypsin treatment required)
- 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\(^\text{c}\) between collection and transfer, but for which additional transfers are required to verify existing data:

- Hog cholera (classical swine fever).

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* between collection and transfer, but for which additional in vitro and in vivo experimental data are required to substantiate the preliminary findings:

- Rinderpest (cattle)
- Bovine virus diarrhoea
- Bluetongue (sheep)
- Campylobacter fetus (sheep)
- Foot and mouth disease (swine, sheep and goats)
- Swine vesicular disease
- African swine fever
- Scrapie (sheep)

* Haemophilus somnus.

Category 4

Diseases or disease agents on which preliminary work has been conducted or is in progress:

- Akabane (cattle)
- Vesicular stomatitis (cattle and swine)
- Chlamydia psittaci (cattle)
- Ureaplasma-Mycoplasma spp. (cattle and goats)
- Maedi-visna (sheep)
- Pulmonary adenomatosis (sheep)
- Scrapie (goats)
- Bluetongue (goats)
  - Caprine arthritis-encephalitis
  - Parvovirus (swine)
  - Enterovirus (cattle and swine)
- Leptospirosis (swine)
- Bovine herpesvirus-4
- Mycobacterium paratuberculosis (cattle)
- Brucella ovis (sheep)
- Border disease (sheep)
- Parainfluenza-3 virus (cattle)
- Bovine spongiform encephalopathy agent.