
From: [REDACTED] (SANCO)
Sent: Monday, December 12, 2011 2:45 PM
To: POUDELET Eric (SANCO); VAN GOETHEM Bernard (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SG); [REDACTED] (SJ); [REDACTED] (TRADE); [REDACTED] (AGRI); [REDACTED] (AGRI); [REDACTED] (RTD); [REDACTED] (ENTR); [REDACTED] (ENTR); [REDACTED] (ENV); [REDACTED] (EFSA); [REDACTED] (EEAS-WASHINGTON)
Cc: [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO); [REDACTED] (SANCO)
Subject: BTO report meeting US cloning industry on 9/12/2011

Dear colleagues,
Please find below the BTO report from the US cloning industry meeting of 9 December
Best regards
[REDACTED]

Attendance:

USA

In Iowa, [REDACTED], [REDACTED] Bovance and [REDACTED], [REDACTED]
TransOva

In Texas: [REDACTED], [REDACTED] ViaGen

In Washington; [REDACTED], BIO [REDACTED] and also [REDACTED] (only at the beginning); [REDACTED]

EU

SANCO: Eric Poudet, [REDACTED], [REDACTED], [REDACTED], , [REDACTED]
[REDACTED]

AGRI: [REDACTED]

Constructive dialogue with main US cloning companies which has been organized by [REDACTED] EU Delegation at Washington.

Others existing US cloning companies (SYAGRA and Minitub) not present in this meeting.

Main information:

-Number of cloned animal by species in US:

Bovine: 1100 (50% male and 50% female); Pig: 190; Sheep: 0; Goat: at start
Horses:>100 Others: Deers

More cloned beef cattle than cloned dairy cattle.

-Cost of a clone:

Bovine: 18000 \$; Pig:1500 \$ each piglet (6 on average); Horses:165000 \$

-Marketing aspects:

Clone animals are delivered at 6 months old.
No cryo keeping of extra embryos except for horses.

-Success rate of cloning technique:

Bovine: 10 to 20% depending races; pig >50%; horses:15%.

Still high percentage of failure during pregnancy (critical period 60 to 90 days) for cloned bovine. No specific problem for the surrogated mothers.

Current private researches to improve success rate. Results not publicly available.

-Cloning technique:

Only SNCT used (Roselyn Institute patent)

Increasing development of genomic selection. Could be combined with the cloning of younger animals.

No scientific study on animal welfare but guidelines from the International Embryo transfer society.

-Animal identification:

Cloned animals are individually identified and registered. No information if reproductive materials (semen and embryo) of cloned animals are identified as such (responsibility of each breeding center).

SANCO asked for a contact point for US Semen/Embryo industry and research on efficiency and welfare issues.

NB: Trans Ova also involved in the marketing of embryo from offspring.

CONCLUSION: Agreement for further meeting in the coming months.