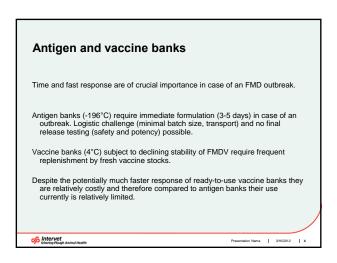
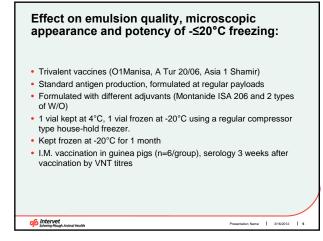
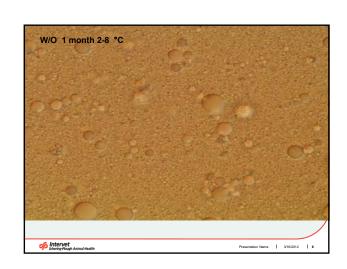


## SPC: DO NOT FREEZE W/O/W emulsions (Montanide ISA 206) or W/O emulsions should not be frozen (SEPPIC, France) Oil adjuvanted vaccines stored at -20°C or -70°C show reduction in potency (Barnett PV Vaccine 20, (2002) 2060-2064) Montanide ISA 206 can be snap frozen and kept at ultra low temperature (SACS vaccine concept) without detrimental effect on potency (Barnett PV Vaccine 20, (2002) 2060-2064)

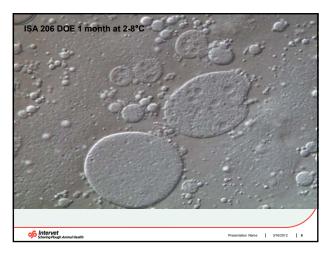




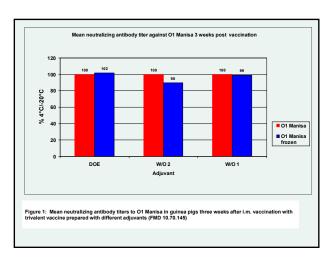


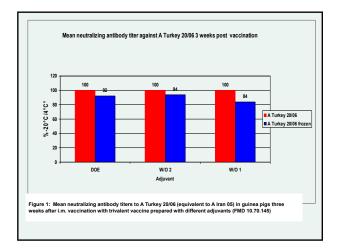
## Appendix 20

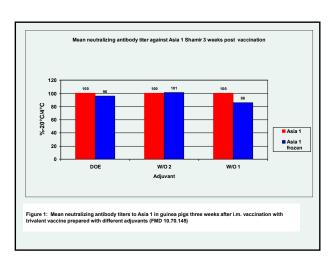












## **Appendix 20**

## Effect on stability: Materials and methods

- Monovalent, Bivalent and Trivalent vaccines (O1Manisa, A Tur 20/06, Asia 1 Shamir)
- Formulated with Montanide ISA 206
- 1 vial kept at 2-8°C, 1 vial frozen and kept at -20°C.
- Kept frozen at -20°C using a regular compressor type house-hold freezer for a period of 16 months
- I.M. vaccination in guinea pigs (n=6/group), serology 4 weeks after vaccination by VNT titres
- 1 frozen trivalent vaccine containing (O1Manisa, A22 Iraq, Asia 1 Shamir) kept for a period of 41 months and tested in guinea pigs.
- 1 frozen trivalent vaccine containing (O1Manisa, A22 Iraq, Asia 1 Shamir) kept for a period of 14 months and tested in cattle



Presentation Name 3/16/2012

