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Provide an explanation of the procedures producing pain or distress on these animals and reasons such drugs were not used:

Plum Island Animal Disease Center (PIADC) conducts training for regulatory veterinarians (state, federal) for 10 high threat foreign animal diseases. The training is to help ensure regulatory veterinarians have the proper training in order to immediately respond and control potential foreign animal disease outbreaks. Training is provided in recognizing clinical signs and post mortem lesions of these diseases and how to properly submit samples to animal health laboratories for immediate diagnosis.

During the foreign animal disease training schools, all animals are closely monitored for pain and distress, and treated with analgesics (opioid, non-steroidal, or both). Those animals with more than slight or momentary pain that cannot be relieved with analgesics have been classified as category E. In regard to column E livestock the 3 sheep had pulmonary edema with respiratory distress. Of the 11 pigs nine had general malaise and two had vesicles of the feet with lameness. The cow in category E had distended carpal joints with lameness. The two horses had pulmonary edema with respiratory distress. The PIADC attending veterinarian and IACUC strive to reduce pain to the lowest level possible and still meet the critical scientific and training needs.