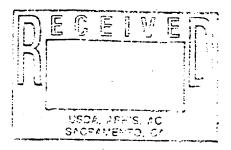
93R0353

## Category E Justification Statement For 1998-99 USDA Annual Report

Thirty-three (33) animals were included in the "E" category because these animals were on studies involving induction of Parkinson's disease and we presume that there is some psychological distress associated with the temporary impairment of motor function experienced by these animals. In humans, Parkinson's disease causes increasing motor impairment and a portion of our research into the nature and possible treatment of this disorder involves induction of the disorder in living animals. In particular, non-human primates represent the only animal model in which the behavioral, neurochemical, and neuropathological features of parkinsonism are fully expressed and thus they are the best model for studies on Parkinson's disease. Based on the experience in humans, this disorder is not known to cause physical pain; however, we presume the animals experience some distress during the time they have diminished motor function. We have strong reason to believe that this statement is correct, since we have cared for a number of humans with a form of parkinsonism which is identical to that experienced by these animals, and none had pain. The impairment in our experimental studies cannot be alleviated since it is necessary to the objectives of our studies. Use of sedatives or tranquilizers is also not justified because the effects of these agents would interfere with the results of our investigations. Nor is it justified on purely medical grounds, since pain, psychosis, or agitation, are not a part of this syndrome based on our experience in humans.



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. REGISTRATION NO. 93-R-0354

FORM APPROVED
OMB NO. 0579-0036 MS

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

CENTAUR PHARMACEUTICALS, INC. 484 OAKHEAD PARKWAY SUNNYVALE, CA 94086

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

484 OAKHEAD PARKWAY SUNNYVALE, CA 940P6 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A) B. Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon F. animals being experiments, research, surgery or tests were animals upon which experiments. conducted involving accompanying pain or distress **Animals Covered** bred. which leaching, teaching, research, By The Animal conditioned or to the animals and for which the use of appropriate research, TOTAL NO. surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments. conducted interpretation of the teaching, research. distress to the animals and for which appropriate experiments, surgery, or tests. (An explanation of research, or (Cols. C + D + E) involvina no surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use ol paintranquilizing drugs were must be attached to this report). purposes. relieving drugs: used. 4. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates ANIMAL 10. Sheep A SE GULLINED Pias Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 311 ii n i 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of aneithetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and solve and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. 2) Each principal investigator has considered alternatives to painful procedures 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well 43 (expectes and number of animals affected.

(b)(6), (b)(7)(c)

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF

ONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9/29/99

APHIS FORM 7023 (AUG 91)

aces (OCT 88), which is obsolete )

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate

(b)(6),(b)(7)(c)