

HARLAN ANIMAL COLONIES  
HEALTH EVALUATION SUMMARY

Enclosure 2  
November 19, 2007  
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CONTRACT NO1-AG-8-2106

RATS Barrier 208B

| ANIMAL FACILITY  | STRAIN       | NO./SEX | AGE          | TESTING LABORATORY/DATES  |
|--|--------------|---------|--------------|---|
| Location: Frederick, MD<br>Barrier/Building: 208B<br><br>Ship Date: 9/3/07 | F344/NHsd    | 6M/0F   | 25-28 months | University of Missouri<br>UMRADIL, Columbia, MO<br><br>Receipt Date: 9/4/07<br>Report Date: 11/7/07 |
|  | F344 x BN F1 | 4M/0F   | 26-28 months |   |

| EVALUATION   |
|--|
| NIA rats submitted for this health monitoring were obtained from NIA-NIH aging colonies maintained in barriers by Harlan. All rats examined were considered to be in a good state of health. |

| SEROLOGY           |       |                      |          |
|--------------------|-------|----------------------|----------|
| Agent              | Assay | No. Pos./ No. Tested | Comments |
| <i>M. pulmonis</i> | MFI   | 0/10                 |          |
| Sendai             | MFI   | 0/10                 |          |
| RCV/SDAV           | MFI   | 0/10                 |          |
| Parvovirus NS-1    | MFI   | 0/10                 |          |
| RMV                | MFI   | 0/10                 |          |
| RPV                | MFI   | 0/10                 |          |
| KRV                | MFI   | 0/10                 |          |
| H-1                | MFI   | 0/10                 |          |
| PVM                | MFI   | 0/10                 |          |
| REO 3              | MFI   | 0/10                 |          |
| TMEV-like virus    | MFI   | 0/3                  |          |
| LCM                | MFI   | 0/3                  |          |
| Hantaan            | MFI   | 0/3                  |          |
| <i>E. cuniculi</i> | MFI   | 0/3                  |          |

| BACTERIOLOGY                          |                     |   |
|---------------------------------------|---------------------|---|
| Agent                                 | No. Pos./No. Tested | Comments  |
| <i>Salmonella spp.</i>                | 0/10                | Nasopharynx/cecum cultures<br><br><br><br><br><br><br><br><br><br><br><br><br><br>The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the rat. |
| <i>Pasteurella pneumotropica</i>      | 0/10                |   |
| <i>Pasteurella spp.</i>               | 0/10                |   |
| <i>Bordetella bronchiseptica</i>      | 0/10                |   |
| <i>Pseudomonas aeruginosa</i>         | 0/10                |   |
| <i>Citrobacter rodentium</i>          | 0/10                |   |
| <i>Corynebacterium kutscheri</i>      | 0/10                |   |
| <i>Klebsiella pneumoniae</i>          | 0/10                |   |
| <i>Klebsiella oxytoca</i>             | 2/10                |   |
| <i>Staphylococcus aureus</i>          | 0/10                |   |
| <i>Streptococcus sp. Group B beta</i> | 0/10                |   |

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| PCR   | Results             | Comments         |
|---|---------------------|------------------|
| <i>Mycoplasma pulmonis</i><br><i>Helicobacter sp.</i> | No. Pos./No. Tested | *Pooled samples. |
|   | 0/10<br>0/10*       |                  |

| PARASITOLOGY   |                             |   |
|--|-----------------------------|---|
| Type and Test  | Results                     | Comments  |
| Ectoparasites<br>Test(s): Direct pelage  | No. Pos./No. Tested<br>0/10 | External parasites were not observed in any rat.                    |
| Endoparasites<br>Test(s): Direct, Gross, and<br>Microscopic (intestines & bladder) | No. Pos./No. Tested<br>0/10 | Enteric and urinary bladder parasites were not observed in any rat. |

| PATHOLOGY                                  |                  |  |
|--|------------------|--|
| Gross:                                     | None Significant | Overall frequency of lesions in these rats is low.   |
| Histologic:                                |                  | Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens. |
| Large granular lymphocyte leukemia         | 1/3              |  |
| Pulmonary perivascular lymphoid infiltrate | 1/3              |  |
| Subcapsular cataract                       | 3/3              |  |
| Chronic nephrosis                          | 3/3              |  |

| AVAILABILITY  |  |    |
|---|--|----|
| Rats obtained from NIA-NIH aging colonies maintained in one maximum security barrier by Harlan in Frederick, Maryland. The combined census of these colonies at the time of referenced monitoring is tabulated below: |  |    |
| Virgin Male ( 24 - 34 months of age )   |  | 83 |
| Virgin Female ( N/A months of age )   |  | 0  |
| Total Census:   |  | 83 |

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