**Contract 93302, Table 1:**. **Quantity of biomaterial from female rats of 3 age groups to study late effects of inhalation of different amount of civil Pu citrate**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Group  (amount) | Different factors | | | | | | | Number of rats, ♀ | | cells of biomaterial storage |
| Ionizing radiation (IR) | | | | | | Other factors | Used in test,  Lp | samples  (paraffin) |  | |
| type | source | Delivery route | Dose approach | Initial content  μCi/lung  μCi /kg | Dose,  Gy | Characteris-  tics |
| test (4)  control | α | Pu civil citrate | inhalation | single | 0.03÷0.25  0.16÷1.32 |  | adult  10.5 weeks | 153 | 2619 | 2,3,11,  12,20,  21,29,  47 | |
| none | none | none | none | none | none | adult  10.5 weeks | 82 | 2101 | 1,10,19,28,37,46 | |
| test (4)  control | α | 239Pu  civil citrate | inhalation | single | 0.016÷0.137  0.15÷1.20 |  | young  6.5 weeks | 177 | 2325 | 4,5,13,  32,40,4149,50 | |
| none | none | none | none | none | none | young  6.5 weeks | 133 | 1512 | 6,14,15,22,23,31 | |
| test (3)  control | α | 239Pu, civil (energy)  citrate | inhalation | single | 0.009÷0.044  0.26÷1.20 |  | weanlings  3.5 weeks | 173 | 1786 | 7,24,26,33,34,4243,51,  52 | |
| none | none | none | none | none | none | weanlings  3.5 weeks | 69 | 965 | 8,16,17,25 | |

**Contract 92302, Table 2: Layout for paraffin biomaterial from female rats of different age used to study late effects of civil Pu inhalation intake**

**FSUE SUBI, bld. 3, floor 2, room. 256, locker 1А**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Row** | **Cell number** | | | | | | | | |
| **1** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| adults  cage#  151-153  control | adults  cage#  452,454,456  0.032 μCi/lung  06.10.1993 | adults  cage#  580,582\*,584\*  0.246 μCi/lung  15.02.1994 | young  cage#  414,416,418  0.027 μCi/lung  15.09.1993 | young  cage#  494,496  0.137 μCi/lung  17.11.1993 | young  cage#  597\*,597а\*,599\*  Control for test  22.02.1994 | weanlings  cage#  354,356,358  0.031 μCi/lung  08.07.1993 | weanlings  cage#  499\*,501\*,503\*  Control for test 24.11.1993 |  |
| **2** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |
| adults  cage#  154-156  control | adults  cage#  458,460,462  0,032 μCi/lung  06.10.1993 | adults  cage# 586\*,588\*,590\*  0,246 μCi/lung  15.02.1994 | young  cage#420,422,424  0,027 μCi/lung  15.09.1993 | young  cage#  483,485\*,487\*  Control for test 17.11.1993 | young  cage#  599а\*,601,601а\*  Control for test 22.02.1994 | weanlings  cage#349,  349а,351  Control for test 02.07.1993  и 08.07.1993 | weanlings  cage#  505\*,507\*  Control for test 24.11.1993 |  |
| **3** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** |
| adults  cage#  157-159  control | adults  cage# 464  0.032 μCi/lung  06.10.1993 | adults  cage#592\*,594\*  0.246 μCi/lung  15.02.1994 | young  cage#  415,415а,417  Control for test  15.09.1993 | young  cage#  489\*,491\*,493\*  Control for test 17.11.1993 | weanlings  cage#340\*,  340а\*,341\*  0.009 μCi/lung  02.07.1993 | weanlings  cage#353,  355,355а  Control for tests 02.07.1993  и 08.07.1993 | adults  cage#193,194  0.25 μCi/lung  05.05.1993 |  |
| **4** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** |
| adults  cage#  160-162  control | adults  cage#  514\*,516\*,518\*  0.158 μCi/lung  08.12.1993 | young  cage# 372\*,374\*,376\*  0.118 μCi/lung  24.08.1993 | young  cage#  419,419а  Control for test  15.09.1993 | young  cage#  596\*,598\*,600\*  0.016 μCi/lung  22.02.1994 | weanlings  cage# 342\*,  343\*,344\*  0.009 μCi/lung  02.07.1993 | weanlings  cage# 498\*,  500\*,502\*  0.044 μCi/lung  24.11.1993 | contract  № 92301  cage#  16-190  (27 rats)\*\* |  |
| **5** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** |
| adults  cage#  163-165  control | adults  cage#  520\*,522\*,524\*  0.158 μCi/lung  08.12.1993 | young  cage#378\*,  380\*,382\*,384\*  0.118 μCi/lung  24.08.1993 | young  cage# 482,484,486  0.137 μCi/lung  17.11.1993 | young  cage#  602\*,604\*,606\*  0.016 μCi/lung  22.02.1994 | weanlings  cage#345\*,346\*  0.009 μCi/lung  02.07.1993 | weanlings  cage# 504\*,  506\*,508\*  0.044 μCi/lung  24.11.1993 |  |  |
| **6** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **54** |
| adults  cage#  166-166а  control | adults  cage# 526\*,528\*  0.158 μCi/lung  08.12.1993 | young  cage#373\*,  373а\*,375\*,375а\*377\*  Control for test  24.08.1993 | young  cage#488,490,492  0.137 μCi/lung  17.11.1993 | young  cage#608\*  0.016 μCi/lung  22.02.1994 | weanlings  cage# 348,  348а,350,352  0.031 μCi/lung  08.07.1993 | weanlings  cage#  510\*,512\*  0.044 μCi/lung  24.11.1993 |  |  |
| note: \* ‑numbers of cages for which formalin material was found  \*\* ‑ in cell 35 paraffin material from 27 rats is stored for contract 92301 (199) | | | | | | | | | |