**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 contentμCi/lungμCi /kg | Dose,Gy | Characteris-tics |
| test (4)control | α | Pu civil citrate | inhalation | single | 0.03÷0.250.16÷1.32 |  | adult10.5 weeks | 153 | 2619 | 2,3,11,12,20,21,29,47 |
| none | none | none | none | none | none | adult10.5 weeks | 82 | 2101 | 1,10,19,28,37,46 |
| test (4)control | α | 239Pucivil citrate  | inhalation | single | 0.016÷0.1370.15÷1.20 |  | young6.5 weeks | 177 | 2325 | 4,5,13,32,40,4149,50 |
| none | none | none | none | none | none | young6.5 weeks | 133 | 1512 | 6,14,15,22,23,31 |
| test (3)control | α | 239Pu, civil (energy)citrate  | inhalation | single | 0.009÷0.0440.26÷1.20 |  | weanlings3.5 weeks | 173 | 1786 | 7,24,26,33,34,4243,51,52 |
| none | none | none | none | none | none | weanlings3.5 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** |
| adultscage#151-153control | adultscage#452,454,4560.032 μCi/lung06.10.1993 | adultscage# 580,582\*,584\*0.246 μCi/lung15.02.1994 | youngcage#414,416,4180.027 μCi/lung15.09.1993 | youngcage#494,4960.137 μCi/lung17.11.1993 | youngcage#597\*,597а\*,599\*Control for test22.02.1994 | weanlingscage#354,356,3580.031 μCi/lung08.07.1993 | weanlingscage# 499\*,501\*,503\*Control for test 24.11.1993 |  |
| **2** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |
| adultscage#154-156control | adultscage# 458,460,4620,032 μCi/lung06.10.1993 | adultscage# 586\*,588\*,590\*0,246 μCi/lung15.02.1994 | youngcage#420,422,4240,027 μCi/lung15.09.1993 | youngcage#483,485\*,487\*Control for test 17.11.1993 | youngcage#599а\*,601,601а\*Control for test 22.02.1994 | weanlingscage#349,349а,351Control for test 02.07.1993и 08.07.1993 | weanlingscage#505\*,507\*Control for test 24.11.1993 |  |
| **3** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** |
| adultscage#157-159control | adultscage# 4640.032 μCi/lung06.10.1993 | adultscage#592\*,594\*0.246 μCi/lung15.02.1994 | youngcage#415,415а,417Control for test15.09.1993 | youngcage#489\*,491\*,493\*Control for test 17.11.1993 | weanlingscage#340\*,340а\*,341\*0.009 μCi/lung02.07.1993 | weanlingscage#353,355,355аControl for tests 02.07.1993и 08.07.1993 | adultscage#193,1940.25 μCi/lung05.05.1993 |  |
| **4** | **28** | **29** | **30** | **31** | **32** | **33** | **34** | **35** | **36** |
| adultscage#160-162control | adultscage#514\*,516\*,518\*0.158 μCi/lung08.12.1993 | youngcage# 372\*,374\*,376\*0.118 μCi/lung24.08.1993 | youngcage#419,419аControl for test15.09.1993 | youngcage#596\*,598\*,600\*0.016 μCi/lung22.02.1994 | weanlingscage# 342\*,343\*,344\*0.009 μCi/lung02.07.1993 | weanlingscage# 498\*,500\*,502\*0.044 μCi/lung24.11.1993 | contract№ 92301cage#16-190(27 rats)\*\* |  |
| **5** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** |
| adultscage#163-165control | adultscage#520\*,522\*,524\*0.158 μCi/lung08.12.1993 | youngcage#378\*,380\*,382\*,384\*0.118 μCi/lung24.08.1993 | youngcage# 482,484,4860.137 μCi/lung17.11.1993 | youngcage#602\*,604\*,606\*0.016 μCi/lung22.02.1994 | weanlingscage#345\*,346\*0.009 μCi/lung02.07.1993 | weanlingscage# 504\*,506\*,508\*0.044 μCi/lung24.11.1993 |  |  |
| **6** | **46** | **47** | **48** | **49** | **50** | **51** | **52** | **53** | **54** |
| adultscage#166-166аcontrol | adultscage# 526\*,528\*0.158 μCi/lung08.12.1993 | youngcage#373\*,373а\*,375\*,375а\*377\*Control for test24.08.1993 | youngcage#488,490,4920.137 μCi/lung17.11.1993 | youngcage#608\*0.016 μCi/lung22.02.1994 | weanlingscage# 348,348а,350,3520.031 μCi/lung08.07.1993 | weanlingscage#510\*,512\*0.044 μCi/lung24.11.1993 |  |  |
| note: \* ‑numbers of cages for which formalin material was found  \*\* ‑ in cell 35 paraffin material from 27 rats is stored for contract 92301 (199) |