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| Rats aged 16 weeks at sacrifice - Treatment by subcutaneous injections |
|  | **Controls** | **Metformin** |
| Organs | **B12 per** **gram wet tissue** | **B12****per organ** | **B12 per****gram wet tissue** | **B12** **per organ** |
| Kidney | 1350[1200-1650] | 2440[2150-2540] | 1390[1070-1700] | 2320[1860-2650] |
| Liver | 78[55-114] | 1010[690-1260] | 83[73-122] | 1020[890-1570] |
| Heart | 72[46-174] | 129[94-255] | 83[50-120] | 145[92-170] |
| Small-bowel | 46[20-137] | \* | 32[28-81] | \* |
| Testes | 42[29-46] | 98[61-105] | 44[37-47] | 102[87-115] |
| Stomach | 38[10-83] | 94[76-187] | 48[20-72] | 150[63-240] |
| Big-bowel | 38[19-60] | \* | 36[22-94] | \* |
| Brain | 33[16-38] | \* | 27[20-38] | \* |
| Spleen | 25[22-46] | 31[22-62] | 25[13-48] | 31[28-52] |
| Lung | 10[16-20] | 20[10-46] | 17[10-22] | 22[8-29] |
| Plasma† | 1.1[0.9-1.3] | 18[14-22] | 1.3[1.1-1.4] | 19[16-24] |
| Rats aged 14 weeks at sacrifice - Treatment by intra-peritoneal osmotic pumps |
|  | **Controls** | **Metformin** |
| Organs | **B12 per****gram wet tissue** | **B12** **per organ** | **B12 per** **gram wet tissue** | **B12** **per organ** |
| Kidney | 880[730-1070] | 1060[870-2150] | 770[580-1150] | 1380[1070-1750] |
| Liver | 55[41-73] | 640[420-730] | 56[42-65] | 690[490-780] |
| Plasma† | 1[0.8-1.1] | 15[13-17] | 0,9[0.8-1.1] | 14[11-17] |

**Supplemental Table 1:** B12 in organs from 16 and 14 weeks old male Wistar control rats (treated with saline subcutaneous or intra-peritoneal) and fed a diet containing 24 ug B12/kg chow (n=10). All results are presented as median and [range]. Range indicates the lowest and the highest value observed. \*Total content was not calculated due to only partial removal of the organ. **†**Plasma B12 is given as pmol/ml plasma and pmol in total circulating plasma.