

TABLE 4

| No | 24 hours Marker | Controls | | Tabun | | Tabun + Atropine | | Tabun + A + Pralidoxime | | Tabun + A + HI-6 | | Tabun + A + Obidoxime | |
|----|-----------------------------------|-----------|---------|-----------------|---------|---------------------|---------|----------------------------|---------|---------------------|---------|--------------------------|---------|
| | | \bar{x} | $\pm s$ | \bar{x} | $\pm s$ | \bar{x} | $\pm s$ | \bar{x} | $\pm s$ | \bar{x} | $\pm s$ | \bar{x} | $\pm s$ |
| 1 | posture | 2.00 | 0.00 | 2.50 | 0.84 | 3.00 | 0.00 | 2.75 | 0.71 | 3.00 | 0.00 | 2.56 | 0.88 |
| 2 | catch difficulty | 2.00 | 0.00 | 1.33* | 0.52 | 1.00*** | 0.00 | 1.12** | 0.36 | 1.11*** | 0.33 | 2.78 | 1.30 |
| 3 | ease of handling | 2.00 | 0.00 | 1.17* | 0.41 | 1.00*** | 0.00 | 1.12** | 0.35 | 1.11*** | 0.33 | 2.22 | 0.44 |
| 4 | muscular tonus | 0.00 | 0.00 | - 0.67* | 0.52 | -1.00*** | 0.00 | - 0.87** | 0.35 | - 0.89** | 0.33 | -0.11 | 0.33 |
| 5 | lacrimation | 0.00 | 0.00 | 2.00 | 2.19 | 0.89 | 1.76 | 0.89 | 1.76 | 0.11 | 0.33 | 0.00 | 0.00 |
| 6 | palpebral closure | 1.00 | 0.00 | 1.17 | 0.41 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 |
| 7 | endo-exophthalmus | 0.00 | 0.00 | 0.83** | 0.37 | 0.00 | 0.00 | 0.87** | 0.33 | 0.44 | 0.50 | 0.00 | 0.00 |
| 8 | piloerection | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | skin abnormalities | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 1.04 | 0.67 | 1.00 | 0.44 | 0.88 |
| 10 | salivation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11 | nose secretion | 0.00 | 0.00 | 1.67* | 1.51 | 1.50 | 1.60 | 1.88* | 1.56 | 0.33 | 1.00 | 1.78** | 1.48 |
| 12 | exploratory activity | 10.63 | 6.44 | 1.17** | 0.75 | 0.50*** | 1.41 | 0.13*** | 0.35 | 2.11** | 3.30 | 2.33** | 1.73 |
| 13 | urination | 2.88 | 4.94 | 2.83 | 5.98 | 5.00 | 7.15 | 1.75 | 2.43 | 3.78 | 6.22 | 1.67 | 3.64 |
| 14 | defecation | 0.25 | 0.71 | 0.17 | 0.41 | 0.37 | 1.06 | 0.50 | 0.92 | 0.44 | 1.01 | 0.78 | 1.20 |
| 15 | clonic movements | 0.00 | 0.00 | 0.33 | 0.82 | 1.50**x | 0.92 | 2.12**x | 1.36 | 1.11 | 1.45 | 0.11 | 0.33 |
| 16 | tonic movements | 0.00 | 0.00 | 2.50** | 1.22 | 0.37 | 1.06 | 1.12 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17 | gait | 0.00 | 0.00 | 4.67*** | 2.42 | 4.75*** | 2.37 | 5.75*** | 1.98 | 1.55 | 1.81 | 1.00 | 1.05 |
| 18 | gait score | 1.00 | 0.00 | 2.67** | 0.82 | 2.38*** | 0.52 | 2.63*** | 0.52 | 2.22*** | 0.66 | 1.67** | 0.50 |
| 19 | mobility score | 1.00 | 0.00 | 1.83** | 0.75 | 2.38*** | 0.52 | 2.50** | 0.75 | 2.11*** | 0.33 | 1.11 | 0.33 |
| 20 | arousal | 4.00 | 0.00 | 2.50*** | 0.54 | 3.50 | 0.53 | 2.62 | 1.19 | 3.55 | 0.88 | 3.88 | 0.78 |
| 21 | tension | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 22 | stereotype | 0.00 | 0.00 | 1.00 | 2.00 | 0.12 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 23 | bizzare behavior | 0.00 | 0.00 | 0.83 | 1.60 | 0.12 | 0.35 | 0.25 | 0.46 | 0.22 | 0.44 | 1.11 | 1.17 |
| 24 | approach response | 2.00 | 0.00 | 1.33 | 0.52 | 1.75 | 0.71 | 1.63 | 0.52 | 1.33 | 0.50 | 1.78 | 0.44 |
| 25 | touch response | 2.00 | 0.00 | 1.67 | 0.52 | 2.12 | 0.64 | 1.63 | 0.52 | 1.44 | 0.53 | 1.78 | 0.44 |
| 26 | click response | 2.00 | 0.00 | 2.83** | 0.41 | 3.12** | 0.83 | 3.00*** | 0.00 | 2.55* | 0.53 | 2.22 | 0.44 |
| 27 | tail-pinch response | 2.00 | 0.00 | 1.83 | 0.41 | 1.75 | 0.71 | 1.62 | 0.52 | 1.78 | 0.44 | 1.78 | 0.44 |
| 28 | pupil size | 0.00 | 0.00 | -0.33 | 0.52 | -0.12 | 0.35 | -0.5 | 0.53 | 0.00 | 0.00 | 0.33 | 0.50 |
| 29 | pupil response | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.88 | 0.23 | 0.94 | 0.17 | 1.00 | 0.00 |
| 30 | righting reflex | 1.00 | 0.00 | 1.17 | 0.41 | 1.12 | 0.35 | 1.00 | 0.00 | 1.11 | 0.33 | 1.00 | 0.00 |
| 31 | landing foot splay (mm) | 101.81 | 11.75 | 76.17*** | 14.82 | 71.13*** | 11.23 | 65.81*** | 9.15 | 81.44*** | 14.91 | 88.56 | 14.63 |
| 32 | forelimb grip strength | 3.07 | 0.42 | 2.18** | 0.53 | 1.98** | 0.51 | 2.17** | 0.57 | 2.20** | 0.77 | 2.40 | 0.66 |
| 33 | hindlimb grip strength | 1.14 | 0.34 | 0.58** | 0.21 | 0.44*** | 0.14 | 0.66* | 0.32 | 0.61** | 0.28 | 0.84* | 0.20 |
| 34 | grip strength of all limbs (kg) | 7.45 | 2.95 | 3.75*** | 1.07 | 2.56*** | 0.84 | 3.85*** | 1.03 | 4.03*** | 0.94 | 5.01** | 0.77 |
| 35 | food receiving (%) | 100.00 | 0.00 | 20.00*** | 0.00 | 50.00*** | 0.00 | 30.00*** | 0.00 | 80.00*** | 0.00 | 60.00*** | 0.00 |
| 36 | body weight (g) | 209.75 | 10.86 | 195.67* | 8.09 | 193.63** | 6.70 | 205.00 | 11.16 | 206.33 | 11.16 | 211.11 | 13.11 |
| 37 | body temperature (oC) | 37.51 | 0.41 | 36.42** | 0.80 | 35.95*** | 0.49 | 35.84*** | 0.59 | 36.60* | 1.11 | 36.56*** | 0.46 |
| 38 | vertical activity | 155.75 | 51.14 | 40.00** | 62.43 | 0.00*** | 0.00 | 1.00*** | 1.85 | 10.89*** | 23.35 | 8.78*** | 13.39 |
| 39 | horizontal activity | 449.38 | 90.25 | 105.0*** | 125.60 | 31.63*** | 37.96 | 29.13*** | 29.63 | 64.67*** | 115.96 | 67.33*** | 56.54 |
| 40 | total motor activity (No/10 min.) | 605.13 | 117.86 | 145.0*** | 182.60 | 31.63*** | 37.96 | 30.13*** | 31.13 | 75.56*** | 138.96 | 76.11*** | 67.09 |
| | | n=8 | | n=5 | | n=7 | | n=8 | | n=8 | | n=8 | |

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