

1,4-ジクロロ-2-ニトロベンゼンのマウスを用いた
経口投与による2週間毒性試験(混餌試験)報告書

試験番号：0299

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TABLE 1 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE
IN THE 2-WEEK FEED STUDY OF 1,4-DICHLORO-2-NITROBENZENE

| Week-day on Study | Control | | | 625ppm | | | 1250ppm | | | 2500ppm | | | 5000ppm | | | 10000ppm | | | | | | | |
|--|---------|-------------------|-------|--------|---------------|-------------------|---------|---------------|-------------------|---------|---------------|-------------------|---------|---------------|-------------------|----------|---------------|-------------------|-------|------|------|-----|-------|
| | Av.Wt. | No. of Surviv. | | Av.Wt. | % of cont. | No. of Surviv. | Av.Wt. | % of cont. | No. of Surviv. | Av.Wt. | % of cont. | No. of Surviv. | Av.Wt. | % of cont. | No. of Surviv. | Av.Wt. | % of cont. | No. of Surviv. | | | | | |
| | <10> | | | <10> | | | <10> | | | <10> | | | <10> | | | <10> | | | | | | | |
| 0-0 | 20.0 | (10) | 10/10 | 20.0 | (10) | 100 | 10/10 | 20.0 | (10) | 100 | 10/10 | 20.1 | (10) | 101 | 10/10 | 20.1 | (10) | 101 | 10/10 | 20.0 | (10) | 100 | 10/10 |
| 1-1 | 22.4 | (10) | 10/10 | 22.5 | (10) | 100 | 10/10 | 22.2 | (10) | 99 | 10/10 | 21.3 | (10) | 95 | 10/10 | 19.5 | (10) | 87 | 10/10 | 18.2 | (10) | 81 | 10/10 |
| 1-4 | 20.3 | (10) | 10/10 | 20.6 | (10) | 101 | 10/10 | 20.1 | (10) | 99 | 10/10 | 20.6 | (10) | 101 | 10/10 | 19.8 | (10) | 98 | 10/10 | 16.7 | (10) | 82 | 10/10 |
| 1-7 | 23.3 | (10) | 10/10 | 23.3 | (10) | 100 | 10/10 | 23.6 | (10) | 101 | 10/10 | 23.3 | (10) | 100 | 10/10 | 21.7 | (10) | 93 | 10/10 | 16.1 | (10) | 69 | 10/10 |
| 2-4 | 23.7 | (10) | 10/10 | 23.5 | (10) | 99 | 10/10 | 23.7 | (10) | 100 | 10/10 | 23.8 | (10) | 100 | 10/10 | 22.7 | (10) | 96 | 10/10 | 14.6 | (9) | 62 | 9/10 |
| 2-7 | 24.1 | (10) | 10/10 | 24.3 | (10) | 101 | 10/10 | 24.3 | (10) | 101 | 10/10 | 24.4 | (10) | 101 | 10/10 | 23.5 | (10) | 98 | 10/10 | 13.7 | (8) | 57 | 8/10 |
| < > : No.of effective animals, () : No.of measured animals Av.Wt.:g | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF FEMALE MICE
IN THE 2-WEEK FEED STUDY OF 1,4-DICHLORO-2-NITROBENZENE

| Week-day on Study | Control | | | 625ppm | | | 1250ppm | | | 2500ppm | | | 5000ppm | | | 10000ppm | | | | | | | |
|--|---------|-------------------|-------|--------|---------------|-------------------|---------|---------------|-------------------|---------|---------------|-------------------|---------|---------------|-------------------|----------|---------------|-------------------|-------|------|------|-----|-------|
| | Av.Wt. | No. of Surviv. | | Av.Wt. | % of cont. | No. of Surviv. | Av.Wt. | % of cont. | No. of Surviv. | Av.Wt. | % of cont. | No. of Surviv. | Av.Wt. | % of cont. | No. of Surviv. | Av.Wt. | % of cont. | No. of Surviv. | | | | | |
| | <10> | | | <10> | | | <10> | | | <10> | | | <10> | | | <10> | | | | | | | |
| 0-0 | 17.3 | (10) | 10/10 | 17.3 | (10) | 100 | 10/10 | 17.4 | (10) | 101 | 10/10 | 17.3 | (10) | 100 | 10/10 | 17.4 | (10) | 101 | 10/10 | 17.3 | (10) | 100 | 10/10 |
| 1-1 | 17.7 | (10) | 10/10 | 17.6 | (10) | 99 | 10/10 | 17.6 | (10) | 99 | 10/10 | 16.8 | (10) | 95 | 10/10 | 16.4 | (10) | 93 | 10/10 | 15.2 | (10) | 86 | 10/10 |
| 1-4 | 17.2 | (10) | 10/10 | 17.3 | (10) | 101 | 10/10 | 17.3 | (10) | 101 | 10/10 | 17.2 | (10) | 100 | 10/10 | 16.5 | (10) | 96 | 10/10 | 14.4 | (10) | 84 | 10/10 |
| 1-7 | 18.6 | (10) | 10/10 | 18.5 | (10) | 99 | 10/10 | 18.8 | (10) | 101 | 10/10 | 18.0 | (10) | 97 | 10/10 | 18.4 | (10) | 99 | 10/10 | 13.8 | (10) | 74 | 10/10 |
| 2-4 | 18.9 | (10) | 10/10 | 18.6 | (10) | 98 | 10/10 | 19.0 | (10) | 101 | 10/10 | 18.7 | (10) | 99 | 10/10 | 19.0 | (10) | 101 | 10/10 | 12.0 | (10) | 63 | 10/10 |
| 2-7 | 19.3 | (10) | 10/10 | 19.0 | (10) | 98 | 10/10 | 19.2 | (10) | 99 | 10/10 | 19.1 | (10) | 99 | 10/10 | 19.7 | (10) | 102 | 10/10 | 11.2 | (4) | 58 | 4/10 |
| < > : No.of effective animals, () : No.of measured animals Av.Wt.:g | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3 FOOD CONSUMPTION CHANGES OF MALE MICE IN THE 2-WEEK FEED STUDY OF 1,4-DICHLORO-2-NITROBENZENE

| Week-day on Study | Control | | 625ppm | | | 1250ppm | | | 2500ppm | | | 5000ppm | | | 10000ppm | | |
|----------------------|----------|---------------------------|----------|---------------|-------------------|----------|---------------|-------------------|----------|---------------|-------------------|----------|---------------|-------------------|----------|---------------|-------------------|
| | Av.FC. | No. of Surviv. <10> | Av.FC. | % of cont. | No. of Surviv. | Av.FC. | % of cont. | No. of Surviv. | Av.FC. | % of cont. | No. of Surviv. | Av.FC. | % of cont. | No. of Surviv. | Av.FC. | % of cont. | No. of Surviv. |
| 1-4 | 3.7 (10) | 10/10 | 3.9 (10) | 105 | 10/10 | 3.6 (10) | 97 | 10/10 | 3.6 (10) | 97 | 10/10 | 3.3 (10) | 89 | 10/10 | 2.6 (10) | 70 | 10/10 |
| 1-7 | 5.3 (10) | 10/10 | 5.2 (10) | 98 | 10/10 | 5.9 (10) | 111 | 10/10 | 5.5 (10) | 104 | 10/10 | 5.0 (10) | 94 | 10/10 | 2.7 (10) | 51 | 10/10 |
| 2-4 | 4.2 (10) | 10/10 | 4.3 (10) | 102 | 10/10 | 4.4 (10) | 105 | 10/10 | 4.3 (10) | 102 | 10/10 | 4.5 (10) | 107 | 10/10 | 1.7 (5) | 40 | 9/10 |
| 2-7 | 3.9 (10) | 10/10 | 4.1 (10) | 105 | 10/10 | 4.1 (10) | 105 | 10/10 | 4.3 (10) | 110 | 10/10 | 3.9 (10) | 100 | 10/10 | 1.8 (5) | 46 | 8/10 |

< > : No.of effective animals, () : No.of measured animals Av.FC.:g

TABLE 4 FOOD CONSUMPTION CHANGES OF FEMALE MICE IN THE 2-WEEK FEED STUDY OF 1,4-DICHLORO-2-NITROBENZENE

| Week-day on Study | Control | | 625ppm | | | 1250ppm | | | 2500ppm | | | 5000ppm | | | 10000ppm | | |
|----------------------|----------|---------------------------|----------|---------------|-------------------|----------|---------------|-------------------|----------|---------------|-------------------|----------|---------------|-------------------|----------|---------------|-------------------|
| | Av.FC. | No. of Surviv. <10> | Av.FC. | % of cont. | No. of Surviv. | Av.FC. | % of cont. | No. of Surviv. | Av.FC. | % of cont. | No. of Surviv. | Av.FC. | % of cont. | No. of Surviv. | Av.FC. | % of cont. | No. of Surviv. |
| 1-4 | 3.6 (10) | 10/10 | 3.4 (10) | 94 | 10/10 | 3.3 (10) | 92 | 10/10 | 3.1 (10) | 86 | 10/10 | 3.4 (10) | 94 | 10/10 | 2.7 (9) | 75 | 10/10 |
| 1-7 | 4.5 (10) | 10/10 | 4.0 (10) | 89 | 10/10 | 4.2 (10) | 93 | 10/10 | 3.9 (10) | 87 | 10/10 | 5.1 (10) | 113 | 10/10 | 3.0 (9) | 67 | 10/10 |
| 2-4 | 4.3 (10) | 10/10 | 3.8 (10) | 88 | 10/10 | 3.8 (10) | 88 | 10/10 | 3.8 (10) | 88 | 10/10 | 4.1 (9) | 95 | 10/10 | 2.3 (8) | 53 | 10/10 |
| 2-7 | 3.7 (10) | 10/10 | 3.5 (10) | 95 | 10/10 | 3.4 (10) | 92 | 10/10 | 3.3 (10) | 89 | 10/10 | 3.7 (7) | 100 | 10/10 | 1.4 (3) | 38 | 4/10 |

< > : No.of effective animals, () : No.of measured animals Av.FC.:g