

# Anticonvulsant Screening Program

## Test 4 Results - Mice I.P. Quantification

ASP ID: 1      XX      Screen ID: 1

Solvent Code: MC      Solvent Prep: TT,SB

Animal Weight: - g

Test Date: 26-May-1994

Reference: 261:110-133;272:17-36

### ED50 Value

| Test  | Time(Hrs) | ED50   | 95% Confidence Interval | Slope  | STD Err | PI Value |
|-------|-----------|--------|-------------------------|--------|---------|----------|
| MES   | 1         | 5.64   | 4.744 - 6.451           | 11.052 | 3.288   | 7.261    |
| SCMET | 1         | > 50.0 | -                       | 0.0    | 0.0     | < 0.819  |
| TOX   | 1         | 40.63  | 39.0 - 42.89            | 32.85  | 8.96    |          |

### ED50 Biological Response

| Test  | Time (hr) | Dose (mg/kg) | Dths | N / F C |
|-------|-----------|--------------|------|---------|
| MES   | 1.0       | 3.5          |      | 0 / 8   |
| MES   | 1.0       | 5            |      | 3 / 8   |
| MES   | 1.0       | 6.5          |      | 5 / 8   |
| MES   | 1.0       | 8            |      | 8 / 8   |
| SCMET | 1.0       | 6.3          |      | 0 / 2   |
| SCMET | 1.0       | 12.5         |      | 0 / 2   |
| SCMET | 1.0       | 25           |      | 0 / 2   |
| SCMET | 1.0       | 50           |      | 0 / 2   |
| TOX   | 1.0       | 30           |      | 0 / 8   |
| TOX   | 1.0       | 37           |      | 2 / 16  |
| TOX   | 1.0       | 41           |      | 3 / 8   |
| TOX   | 1.0       | 45           |      | 8 / 8   |

Note: Presence of an asterisk (\*) indicates that there are multiple comment codes.

### Time to Peak Effect

| Time (Hours) |      |  |      | 0.25    | 0.5     | 1.0     | 2.0     | 4.0     | 6.0     | 8.0     | 24      | 3.0     |
|--------------|------|--|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Test         | Dose |  | Dths | N / F C | N / F C | N / F C | N / F C | N / F C | N / F C | N / F C | N / F C | N / F C |
| MES          | 5    |  |      | 1 / 4   | 0 / 4   | 3 / 4   | 2 / 4   | 1 / 4   | /       | /       | /       | /       |
| TOX          | 45   |  |      | 3 / 8   | 7 / 8   | 8 / 8   | 5 / 8   | 5 / 8   | 2 / 8   | /       | 0 / 8   | /       |

**Anticonvulsant Screening Program**  
**Test 4 Results - Mice I.P. Quantification**

**ASP ID: 1                      XX                      Screen ID: 1**

Note: N/F = number of animals active or toxic over the number tested.

C= Comment code. Presence of an asterisk (\*) indicates that there are multiple comment codes.

**Comments:**

# Anticonvulsant Screening Program

## Test 4 Results - Mice I.P. Quantification

ASP ID: 1      \*      Screen ID: 2

Solvent Code: MC      Solvent Prep: TT,SB

Animal Weight: - g

Test Date: 28-Jul-2006

Reference: 395:31-35;404:175-184

### ED50 Value

| Test  | Time(Hrs) | ED50   | 95% Confidence Interval | Slope | STD Err | PI Value |
|-------|-----------|--------|-------------------------|-------|---------|----------|
| MES   | 1         | 6.71   | 5.38 - 8.37             | 6.9   | 1.98    |          |
| SCMET | 1         | > 50.0 | -                       |       |         |          |
| TOX   | 0.5       | 51.02  | 47.17 - 54.29           | 24.66 | 9.13    |          |

### ED50 Biological Response

| Test  | Time (hr) | Dose (mg/kg) | Dths | N / F  | C  |
|-------|-----------|--------------|------|--------|----|
| MES   | 1.0       | 3.5          |      | 0 / 8  |    |
| MES   | 1.0       | 5            |      | 2 / 8  |    |
| MES   | 1.0       | 7.5          |      | 5 / 8  |    |
| MES   | 1.0       | 10           |      | 7 / 8  |    |
| SCMET | 1.0       | 25           |      | 0 / 8  | 22 |
| SCMET | 1.0       | 50           |      | 1 / 8  | 22 |
| TOX   | 0.50      | 40           |      | 0 / 8  |    |
| TOX   | 0.50      | 50           |      | 7 / 16 | 14 |
| TOX   | 0.50      | 55           |      | 6 / 8  | 14 |
| TOX   | 0.50      | 65           |      | 8 / 8  | 14 |

Note: Presence of an asterisk (\*) indicates that there are multiple comment codes.

### ED50 Biological Response Comments

| Test  | Dose (mg/kg) | Time (Hrs) | Code | Comment                     |
|-------|--------------|------------|------|-----------------------------|
| SCMET | 25           | 1          | 22   | Continuous seizure activity |
| SCMET | 50           | 1          | 22   | Continuous seizure activity |
| TOX   | 50           | 0.5        | 14   | Unable to grasp rotorod     |
| TOX   | 55           | 0.5        | 14   | Unable to grasp rotorod     |

## Anticonvulsant Screening Program

### Test 4 Results - Mice I.P. Quantification

ASP ID: 1 \* Screen ID: 2

|     |    |     |    |                         |
|-----|----|-----|----|-------------------------|
| TOX | 65 | 0.5 | 14 | Unable to grasp rotorod |
|-----|----|-----|----|-------------------------|

#### Time to Peak Effect

| Time (Hours) |      |  |      | 0.25     | 0.5      | 1.0      | 2.0      | 4.0      | 6.0      | 8.0     | 24      | 3.0     |
|--------------|------|--|------|----------|----------|----------|----------|----------|----------|---------|---------|---------|
| Test         | Dose |  | Dths | N / F C  | N / F C  | N / F C  | N / F C  | N / F C  | N / F C  | N / F C | N / F C | N / F C |
| MES          | 10   |  |      | 3 / 8    | 4 / 8    | 7 / 8    | 6 / 8    | /        | /        | /       | /       | /       |
| TOX          | 55   |  |      | 2 / 8 14 | 6 / 8 14 | 5 / 8 14 | 5 / 8 14 | 2 / 8 14 | 1 / 8 14 | /       | /       | /       |

Note: N/F = number of animals active or toxic over the number tested.

C= Comment code. Presence of an asterisk (\*) indicates that there are multiple comment codes.

#### Response Comments

| Test | Dose (mg/kg) | Time | Code | Comments                |
|------|--------------|------|------|-------------------------|
| TOX  | 55           | 0.25 | 14   | Unable to grasp rotorod |
| TOX  | 55           | 0.5  | 14   | Unable to grasp rotorod |
| TOX  | 55           | 1    | 14   | Unable to grasp rotorod |
| TOX  | 55           | 2    | 14   | Unable to grasp rotorod |
| TOX  | 55           | 4    | 14   | Unable to grasp rotorod |
| TOX  | 55           | 6    | 14   | Unable to grasp rotorod |

Comments: \* batch dated 2-26-04