

**Distribution of Radioactivity 48 Hours Following Intravenous Administration of [<sup>14</sup>C]Sulfolane  
(100 mg/kg) to Male B6C3F1/N Mice – Group 14**

Percent of Dose Recovered in Excreta

| Sample                    | Collection Interval (h) | 14_01             | 14_02       | 14_03       | 14_04       | Mean        | SD          |
|---------------------------|-------------------------|-------------------|-------------|-------------|-------------|-------------|-------------|
| Urine                     | 0 to 8                  | N.S. <sup>d</sup> | N.S.        | N.S.        | 19.3        | 4.83        | 9.65        |
| Urine                     | 8 to 24                 | 88.3              | 85.4        | 18.4        | 59.8        | 63          | 32.4        |
| Urine                     | 24 to 48 <sup>a</sup>   | 0.44              | 0.64        | 2.05        | 0.96        | 1.02        | 0.72        |
| -                         | <b>Subtotal</b>         | <b>88.7</b>       | <b>86.0</b> | <b>20.5</b> | <b>80.1</b> | <b>68.8</b> | <b>32.5</b> |
| Cage Rinse                | 0 to 8                  | 0.38              | 0.32        | 9.92        | 6.1         | 4.18        | 4.69        |
| Cage Rinse                | 8 to 24                 | 5.19              | 4.54        | 32.2        | 5.79        | 11.9        | 13.5        |
| Cage Rinse                | 24 to 48                | 0.49              | 0.8         | 4.78        | 1.27        | 1.84        | 1.99        |
| -                         | <b>Subtotal</b>         | <b>6.06</b>       | <b>5.66</b> | <b>46.9</b> | <b>13.2</b> | <b>17.9</b> | <b>19.6</b> |
| <b>Urine + Cage Rinse</b> | <b>Subtotal</b>         | <b>94.8</b>       | <b>91.7</b> | <b>67.4</b> | <b>93.2</b> | <b>86.8</b> | <b>13.0</b> |
| Feces                     | 0 to 24                 | 1.46              | 3.75        | 23.7        | 2.93        | 7.96        | 10.5        |
| Feces                     | 24 to 48                | 0.18              | 0.29        | 1.25        | 0.36        | 0.52        | 0.49        |
| -                         | <b>Subtotal</b>         | <b>1.64</b>       | <b>4.04</b> | <b>25.0</b> | <b>3.29</b> | <b>8.48</b> | <b>11.0</b> |
| <b>Total</b>              | -                       | <b>96.4</b>       | <b>95.7</b> | <b>92.3</b> | <b>96.5</b> | <b>95.2</b> | <b>2.00</b> |

Distribution in Tissues (48 h)

| Tissue <sup>b</sup> | ng-eq/g Mean | ng-eq/g SD | TBR Mean | TBR SD | Percent Recovery Mean | Percent Recovery SD |
|---------------------|--------------|------------|----------|--------|-----------------------|---------------------|
| Adipose Perirenal   | 335          | 66.7       | 0.162    | 0.035  | 0.023                 | 0.005               |
| Bladder             | 1260         | 218        | 0.611    | 0.119  | <0.005                | -                   |
| Blood (Mouse)       | 2080         | 48.6       | 1        | -      | 0.098                 | 0.005               |
| Brain               | 466          | 23.4       | 0.225    | 0.013  | 0.01                  | 0.00                |
| Cecum               | 794          | 218        | 0.383    | 0.108  | <0.005                | -                   |
| Heart               | 899          | 56.3       | 0.433    | 0.031  | <0.005                | -                   |
| Kidney              | 1290         | 94.4       | 0.622    | 0.055  | 0.02                  | 0.00                |
| Large Intestine     | 806          | 141        | 0.388    | 0.063  | 0.005                 | 0.006               |
| Liver               | 1390         | 190        | 0.674    | 0.107  | 0.058                 | 0.005               |
| Lung                | 1120         | 107        | 0.542    | 0.062  | 0.010                 | 0.000               |
| Muscle (hind leg)   | 491          | 31.8       | 0.237    | 0.015  | 0.183                 | 0.013               |
| Pancreas            | 722          | 87         | 0.349    | 0.05   | 0.01                  | 0.00                |
| Plasma              | 304          | 20.7       | 0.147    | 0.006  | <0.005 <sup>e</sup>   | -                   |
| Skin (abdominal)    | 1170         | 371        | 0.567    | 0.183  | 0.188                 | 0.061               |
| Small Intestine     | 821          | 62.9       | 0.396    | 0.034  | 0.018                 | 0.005               |
| Spleen (Mouse)      | 1250         | 96.9       | 0.601    | 0.049  | <0.005                | -                   |
| Stomach             | 928          | 191        | 0.447    | 0.084  | 0.003                 | 0.005               |
| Testes (Mouse)      | 433          | 42.5       | 0.209    | 0.019  | <0.005                | -                   |
| Thyroid             | 1000         | 452        | 0.487    | 0.229  | <0.005                | -                   |
| <b>Total</b>        | -            | -          | -        | -      | <b>0.625</b>          | <b>0.077</b>        |

Disposition Summary – Percent of Dose Recovered

| Sample                | 14_01        | 14_02       | 14_03       | 14_04       | Mean        | SD         |
|-----------------------|--------------|-------------|-------------|-------------|-------------|------------|
| Urine <sup>a, c</sup> | 94.8         | 91.7        | 67.4        | 93.2        | 86.8        | 13.0       |
| Feces                 | 1.64         | 4.04        | 24.95       | 3.29        | 8.48        | 11.0       |
| Tissues               | 0.681        | 0.581       | 0.699       | 0.54        | 0.625       | 0.077      |
| GI Tract Contents     | 0.01         | 0.02        | 0.02        | 0.01        | 0.02        | 0.01       |
| <b>Total</b>          | <b>97.13</b> | <b>96.3</b> | <b>93.0</b> | <b>97.1</b> | <b>95.9</b> | <b>1.9</b> |

<sup>a</sup> Includes urine present in bladder at time of sacrifice.

<sup>b</sup> Tissue weights for dispersed tissues were calculated based on body weight as follows: adipose 7.0%, muscle 38.4%, skin 16.5%, and blood 4.9%.

<sup>c</sup> Includes cage rinse.

<sup>d</sup> No Sample.

<sup>e</sup> Plasma recovery based on analyzed aliquots only.