**Table S19** Reaction on skin and score of standard irritant (0.8% v/v aqueous formalin solutions),

placebo TFG-F2 (vehicle control), TFG-F2, and plain gel on femaleC57BL/6 mice

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Formulation | Time (h) | PII of Erythema | | | | Average PII score of Erythema (a) | PII of Edema | | | | Average PII score of  Edema (b) | Total irritation score (a + b) | Category |
|  |  | i | ii | iii | iv |  | i | ii | iii | iv |  |  |  |
|  | 24 | 3 | 3 | 4 | 3 | 3.250 | 2 | 2 | 1 | 2 | 1.750 | 5 | Severe irritation |
| Standard irritant | 48 | 2 | 2 | 3 | 2 | 2.250 | 1 | 1 | 1 | 0 | 0.750 | 3 | Moderate irritation |
|  | 72 | 2 | 2 | 2 | 1 | 1.75 | 1 | 1 | 0 | 0 | 0.500 | 2.250 | Moderate irritation |
|  | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Placebo TFG F2 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Negligible |
|  | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| TFG F2 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Negligible |
|  | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Plain Gel | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Negligible |
|  | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |

**PII:** Primary irritation index