

84R0072  
26904

## Column E Explanations

**1. Registration Number:** 84-R-0072

**2. Number of animals used in this study:**

A total of 10 dogs were used on this study.

**3. Species of animals used in this study:** Canine

**4. Explain the procedure producing pain or distress:**

Lipopolysaccharide (LPS) was administered to induce a clinical febrile condition to validate a temperature sensing device. Known transient side effects were observed including, vomiting, diarrhea, and lethargy.

**5. Scientific or regulatory justification for withholding of pain/distress relief:**

There was no other reliable and predictable means to elevate the dog body temperature to establish a febrile state. The ability to detect a febrile response with the device was necessary prior to clinical use. Any antipyretic or analgesic would reduce the febrile response limiting the utility of the LPS model.

**6. What, if any, federal regulations require this procedure?**

N/A

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