Production Animal Humane Endpoint Template

**Health conditions that require veterinary care may necessitate the removal of the animal from the study or teaching use. A similar statement should be included in the IACUC protocol.**

NOTE: THE LIST OF OBSERVATIONS IS NOT COMPLETE. OTHER OBSERVATIONS CAN APPEAR. **A TOTAL SCORE OF 4 IS HUMANE ENDPOINT CRITERIA.** Any changes to template must be in **bold** font.

| **Assessment parameter** | **Score** | **EXAMPLES of observations** |
| --- | --- | --- |
|  | 0 | Alert, reacts to the surroundings |
| General condition | 1 | Less active, less reactive to the surroundings |
|  | 4 | Very limited or no voluntary movement even if stimulated, may be cold upon touch, unresponsive fever |
|  | 0 | Normal movements, body posture and body form |
| Movements, body posture and body form | 1 | Mild incoordination, limping or muscle weakness, slightly hunched, mild head tilt |
|  | 4 | Marked incoordination, severe head tilt, circling, severe limping, paralysis, seizures, markedly swollen abdomen, inability to stand |

| **Assessment parameter** | **Score** | **EXAMPLES of observations** |
| --- | --- | --- |
|  | 0 | Well-conditioned or over-conditioned, weight loss < 5 % compared to weight prior to procedure, controls, or normal growth curve |
| Body condition score (BCS)\* and bodyweight | 1 | Underconditioned or obese, weight loss 5-15 % compared to weight prior to procedure, controls, or normal growth curve |
|  | 4 | Severely underconditioned, weight loss > 15 % compared to weight prior to procedure, controls, or normal growth curve |
|  | 0 | Supple, elastic skin |
| Level of dehydration | 1 | When pinching the skin, elasticity is mildly reduced (slow return to normal) |
|  | 4 | When pinching the skin, it tents (skin fold remains), sunken eyes, not resolved with supplemental fluids for 24hr |

| **Assessment parameter** | **Score** | **EXAMPLES of observations** |
| --- | --- | --- |
|  | 0 | Normal intestinal and urinary functions |
| Intestinal and urinary function | 1 | Faeces dry, or sticky. Excess urination. Rectal prolapse, penile prolapse without injury, |
|  | 4 | Fluid, bloody or absent faeces, severe rectal prolapse, vaginal/uterine prolapse, penile prolapse with injury, signs of incapability to urinate and markedly distended urinary bladder, foul smell, cloudy or bloody discharge, unresolved colic, anorexia greater than 72 hours |
|  | 0 | Normal breathing |
| Breathing | 1 | Increased respiratory frequency at rest without affecting other parameters |
|  | 4 | Open mouth breathing, abdominal breathing, panting, wheezing or rales, blue skin or mucous membranes |
|  | 0 |  |
| Other study-specific parameters (describe and add more boxes as needed) | 1 |  |
|  | 4 |  |