**Example Timeline for Animal Studies**

**Aim 1**: *State aim*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Day** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Procedures** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| Tumor Cell | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ringers |  |  | X |  | X |  | X |  | X |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CB articles |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  | X | X |  | X | X |  | X | X |  |  |
| CPP cond |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  | X | X |  | X | X |  | X | X |  |  |
| CPP pref |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | X |  |  | X |  |  | X |  |
| eVF |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  | X | X |  | X | X |  | X | X |  |  |
| Hargreaves |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  | X | X |  | X | X |  | X | X |  |  |
| Euthanasia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | As early as X |  |  |  |  |  | X |

**Aim 2**: *State aim*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Day** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Procedures** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| Tumor Cell | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ringers |  |  | X |  | X |  | X |  | X |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CB articles |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  | X | X |  | X | X |  | X | X |  |  |
| CPP cond |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  | X | X |  | X | X |  | X | X |  |  |
| CPP pref |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | X |  |  | X |  |  | X |  |
| eVF |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  | X | X |  | X | X |  | X | X |  |  |
| Hargreaves |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  | X | X |  | X | X |  | X | X |  |  |
| Euthanasia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | As early as X |  |  |  |  |  | X |

**Define Abbreviations and Explain Procedures/Substances:**

Ringers – isotonic solution (hydrates)

CB articles – cannabinoids (repress neurotransmitter release)

CPP – cond – Conditioned Place Preference conditioning: animal receives either test compound or vehicle in a conditioning compartment

CPP – pref – Conditioned Place Preference: animals are given free access to apparatus to measure drug seeking behavior

eVF – electronic von Frey to assess mechanical allodynia (tactile sensitivity) where a rigid probe is directed to hind paws

Hargreaves – apparatus used to assess hyperalgesia (enhanced pain sensitivity) through thermal stimulation to hind paws