

## Recommended Analgesic Agents: *Xenopus*

| Xenopus<br>( <i>laevis</i> )<br>African Clawed<br>Frog | Analgesia          |  |           |   |                      |
|--|--------------------|--|-----------|---|----------------------|
|  | Name / Dose        | Used for                                     | Dose      | Route   | Frequency            |
|  | Xylazine           | Visceral pain                                | 10 mg/kg  | IC  | SID - BID            |
|  | Meloxicam          | Visceral & musculoskeletal pain              | 0.4 mg/kg | SC (preferred route)<br>IC / Dorsal lymph sac | SID for 2 days       |
|  | Flunixin Meglumine | Visceral & musculoskeletal pain              | 25 mg/kg  | SC (preferred route)<br>IC / Dorsal lymph sac | SID for 2 days       |
|  | Morphine           | Visceral, musculoskeletal & neuropathic pain | 40 mg/kg  | SC (preferred route)<br>IC / Dorsal lymph sac | BID - TID for 2 days |
|  | Butorphanol        | Visceral, musculoskeletal & neuropathic pain | 25 mg/kg  | IC  | BID                  |

SID - Once a day  
 BID - Twice a day  
 TID - Three times a day

IC - intracoelomically  
 SC - subcutaneous

References:

Fish et al, Anesthesia and Analgesia in Laboratory Animals, 2nd Edition  
 Hawk et al, Formulary for Laboratory Animals, 3rd Edition  
 Univ. of Colorado, Denver, Veterinary Anesthetic & Analgesic Formulary, 3rd Edition  
 Plumb, Veterinary Drug Handbook, 3rd Edition