

Diseases of the urinary system

| disease name                   | model name                                                                                                  | animal species                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------|
| acute kidney injury            | Ischemia reperfusion induced acute kidney injury model                                                      | mouse, rat, cat,<br>Non-human primates |
|                                | Cisplatin induced acute kidney injury model                                                                 | mouse, rat                             |
|                                | Glycerol induced acute renal failure model                                                                  | rat                                    |
| Subacute/chronic renal failure | Unilateral ureteral obstruction induced renal fibrosis model                                                | mouse, rat                             |
|                                | Chronic interstitial nephritis and renal fibrosis model induced by transient bilateral ureteral obstruction | rat                                    |
|                                | 5/6 nephrectomy model                                                                                       | rat                                    |
|                                | Adenosine feed induced chronic renal failure uremia model                                                   | rat                                    |
|                                | Doxorubicin induced nephropathy model                                                                       | rat                                    |
|                                | 5/6 nephrectomy induced renal anemia model                                                                  | rat                                    |
|                                | PAN induced renal micro lesion model                                                                        | rat                                    |
|                                | Sheep serum induces a passive type of nephritis model in rats                                               | rat                                    |
| hypertensive nephropathy       | Acetic deoxycorticosterone (DOCA)+high salt induced hypertension induced nephropathy model                  | rat                                    |
|                                | Dahl salt sensitive rats+high salt induced hypertension induced nephropathy model                           | rat                                    |
|                                | Hypertension nephropathy model induced by renal artery constriction                                         | rabbit                                 |
| Metabolic nephropathy          | Diabetes nephropathy model induced by streptozotocin (STZ)+high-fat diet                                    | mouse, rat                             |
|                                | Obese nephropathy model induced by high-fat diet alone                                                      | mouse                                  |
|                                | Metabolic nephropathy model induced by high-fat and high cholesterol feed                                   | rabbit                                 |
| Immune-mediated nephropathy    | Passive Hyman nephritis model induced by renal brush border antibody (Fx1A)                                 | rat                                    |
|                                | MRL/MpJ Faslpr mouse model of systemic lupus erythematosus                                                  | mouse                                  |
|                                | IgA nephropathy model                                                                                       | mouse, rat                             |
| Acute/chronic cystitis         | Cyclophosphamide induced acute/chronic cystitis model                                                       | rat                                    |
|                                | Canine prostate enlargement model                                                                           | dog                                    |