

RED, BROWN OR BLACK URINE

Urine Test Strip for Blood or Hb

POSITIVE

NEGATIVE

Urine Sediment Exam

Possible Bilirubinuria

RBCs

NO RBCs

Assess urine test strip for bilirubin
Perform blood bilirubin

Plasma Colour (Blood)

POSITIVE

NEGATIVE

HAEMATURIA

Pink

Colourless

BILIRUBINURIA

OTHER PIGMENTS

HAEMAGLOBINURIA

MYOGLOBINURIA

Pathologic

Physiologic
(normal in dogs)

CK, AST

DIFFERENTIALS
Bleeding disorders
Urolithiasis
UTI
Neoplasia
Trauma
Benign haematuria

DIFFERENTIALS
Immune-mediated
Toxic
Infectious
Microangiopathic

DIFFERENTIALS
Severe muscle damage
Thrombosis

DIFFERENTIALS
Pre-hepatic
Hepatic
Post-hepatic

DIFFERENTIALS
Drugs
Porphyrins
Dyes

DIAGNOSTICS
History
Haematology
Coagulation Profile
Urine Culture
Diagnostic Imaging
Uroendoscopy

DIAGNOSTICS
History
Haematology
Immune workup
Infection Screen

DIAGNOSTICS
History
Haematology
Biochemistry
Coombs Test
Diagnostic Imaging