



**Woman, Child and Family Service - Paediatrics**  
**Tauranga Hospital**  
Cameron Road Private Bag 12024  
Tauranga NEW ZEALAND

Re: Haemoglobin pigments on urinalysis

Thank you for your referral with concerns of Haemoglobin pigments without red blood cells noted on Urinalysis.

The dipstick test is extremely sensitive for the presence of Haemoglobin pigments. Generally the presence of Haemoglobin pigments, without the presence of red blood cells on microscopy, indicates either Haemoglobinuria or Myoglobinuria.

It would be reasonable to exclude Myoglobinuria by performing a CK level and to check for Haemolysis by performing a full blood count, including reticulocyte count, and serum Bilirubin including conjugated and unconjugated Bilirubin. Other causes of false positives include oxidizing agents and peroxidases present in the urine.

Trace amounts of Haemoglobin can also be considered a normal finding in the urine.

Provided there is no evidence for Haemolysis or Muscle damage, then these results simply need to be monitored.

Do not hesitate to refer back to us again if there seems to be any underlying pathology or if you have other concerns.

Ngā mihi

*Yours sincerely*

Electronically reviewed

Paediatric Team