

## **G6S: Protect your goat herd's health**



Caprine Mucopolysaccharidosis- IIID, is a lysosomal storage disorder caused by a debilitating genetic mutation resulting in a deficiency of N-acetylglucosamine-6-sulfatase (G6S). Goats, especially the Nubian breed, should be screened for the mutated G6S gene prior to breeding.

Awareness of the G6S status of your animals allows for informed decision making in a breeding program. This information can decrease the risk of a kid being born with this genetic defect. Individuals having this genetic disorder may display neurological deficits, including inability to rise and walk, wide base stance and hyperextension of the limbs when lifted to standing, which can lead to growth retardation and early death.

**Protecting animal and human health  
through diagnostics  
[tvmdl.tamu.edu](http://tvmdl.tamu.edu)**

## **TVMDL offers expert genetic analysis.**

TVMDL offers accurate genetic analysis through a real-time polymerase chain reaction (qPCR) test performed at the College Station laboratory in the Molecular Diagnostics Section.

Protect your investment in breeding goats by testing for G6S.

**Test:** G6S mutation (SNP qPCR)

**Sample:** 1-2 cc EDTA blood

**Cost:** \$35.00 (per specimen). The test is run Tuesday through Friday.

For questions regarding G6S testing, contact the agency headquarters at 888.646.5623.

For more information on all diagnostic testing performed at TVMDL, visit [tvmdl.tamu.edu](http://tvmdl.tamu.edu).

Questions on diagnostics?  
Contact one of our two full-service labs:

College Station      888.646.5623

Amarillo              888.646.5624

**[tvmdl.tamu.edu](http://tvmdl.tamu.edu)**