|  |  |  |  |
| --- | --- | --- | --- |
| DM gene mutation | Generic term | BernerGarde term | Test available through: |
| SOD1:c.118A | SOD1-A | SOD1-A | DDC, OFA, Vetgen, GenSol |
| SOD1:c .52T (new mutation found only in BMD’s) | SOD1-B | SOD1-B | GenSol |

DM SOD1 allele and mutation terms

|  |  |  |  |
| --- | --- | --- | --- |
| DM SOD1-A | DM SOD1-B | # dogs (in 2014) | DM symptoms? |
| At risk | Clear | 224 in BG/276 in OFA | 75% of dogs reported in BG that have died, had DM symptoms. Roughly ½ of those dogs were confirmed by necropsy. |
| Normal | At risk | 3 | 2-yes, 1-no (at 3 yo) |
| Carrier |  Carrier | 4 | yes |
| Clear | Clear | 1369 in BG for SOD1A; 102 in BG for SOD1B | no |

Relationships between these 2 tests: