

STUD BREEDING QUESTIONNAIRE



Name:
Address:
Phone Number:
Email:
Kennel Name (if applicable):
Website (if applicable):

Female Dog Information:
Name:
Breed:
Date of Birth:
BRN (Breed Registry Number):
OFA Hip Check Result:
OFA Knee Check Result:
Embark (or equivalent) Genetic Testing Result:

_____ Initial that you have read the following from the experts at Embark also follow the link to the OFA website for additional information.

When determining whether or not a variant is expected to have a clinical impact for a breed, we have taken into account research either published, internal, or otherwise presented by a subject matter authority as our primary criteria. While the SOD1(A) variant associated with Degenerative Myelopathy (DM) is present in many breeds of dogs, scientific follow-up has only observed histopathological changes with the variant in a handful of breeds. So, even though many dogs have the genetic variant associated with DM, only dogs of a few breeds have been documented to have changes to their nervous system when cells are examined under a microscope. While we are not stating that the OFA is a leading researcher of Degenerative Myelopathy, the list of breeds at <https://ofa.org/degenerative-myelopathy/> is referenced by veterinary neurologists and those involved in ongoing DM research.

Based on this research, we have updated our profiles to reflect this, however, it is still important to track the incidence of the variant and clinical disease within lines to inform future research. While penetrance has not been proven in the DutchShepherd, it is worth considering how closely related the breed is to the German Shepherd Dog, a high-risk breed for DM.

By breeding a heterozygote (or carrier) to another heterozygote, we would expect about 25% of the litter to inherit two copies of the SOD1(A) variant and be "at-risk". By breeding a heterozygote to a homozygote with two copies of the SOD1(A) variant, we would expect about half the litter to inherit two copies and be "at-risk". However, when reviewing genetic health results, it is important to note that being at an increased risk is by no means a clinical diagnosis nor does it guarantee a dog will develop the disease.

We appreciate all that you do for Dutch Shepherds and all canines and hope that we can continue to work together to learn more about the clinical impact of the SOD1(A) mutation in the Dutch Shepherd. Should you know of a Dutch Shepherd that have been definitively diagnosed with Degenerative Myelopathy and has tested as having one or two copies of the SOD1(A) mutation (either with Embark or another company), we would appreciate that information for consideration during our health review process.

You can find more information on DM here: <https://embarkvet.com/resources/is-your-dog-at-risk-for-dm-what-the-latest-genetic-research-can-tell-you-2/>

I hope this provides clarification, but please let me know if you have any additional questions.

_____ Initial here you have been made aware that Togo BRN 40022 is a recessive heterozygote SOD1a carrier and any stud you choose you will receive their Embark and OFA results after we receive this questionnaire.

If you do not have a BRN, Embark-results or OFA. Please contact us email trever@heimvordrk9.com first.

Our Stud Fees are as follows:

-Togo BRN 40022 - \$2000 For Live cover or TCI. With these options we do offer a live puppy guarantee ONLY if you have a quantitative progesterone blood test within 48 hours. Our guarantee is that one healthy puppy of either sex is conceived.

- Owner of female must travel to your current location for live covers; Or our Vet of choice for TCI is SoCal vet clinic in the City of Industry, CA; or be willing to pay mileage to veterinarian of female owner's choice.

- Please email us if you'd like the option of a puppy back as payment, we will determine if this is a option Heim Vordr K9 is accepting at the time.

-Togo BRN 40022 Frozen is 1500\$ per breeding unit 2-3 straws + shipping

-All other Male studs are \$1000 for Live cover or TCI you can email us to find out more information on frozen units we have stored and prices.

-We offer a 10% discount for LE or Military and/or 10% if the female owner has all 3 - BRN/Embark/OFA and good/clear.