

Anasarca Study Tissue Collection Protocol

The Bulldog Club of America is asking for tissue samples for a preliminary research project on bulldog Anasarca. The study will require tissue from fully affected anasarca¹ neonate pups, tissue from control un-affected littermate neonates, and tissue from the sire and the dam producing the anasarca litter. In addition, any information concerning the production of the present or previous anasarca litters from any dog contributing to the pedigree of the Sire and Dam is encouraged. **All information from each specimen will be strictly confidential.** The Bulldog Club of America charitable fund will reimburse all shipping costs.

1. At this time we are only accepting extreme cases of anasarca neonates. The entire pup must be affected. If just a part of the pup is affected, for example just the head or the thorax, then we cannot accept this tissue.

Please direct any study questions, billing inquiries, or email any study information to:

mwhughes@usc.edu
Michael W. Hughes, Ph.D.
Department of Pathology
University of Southern California
2011 Zonal Ave HMR Suite #313a
Los Angeles CA, 90033

Please ship the samples and pedigree information to:

Jonathan E. Beever, Ph.D.
Department of Animal Sciences
University of Illinois at Urbana-Champaign
220 Edward R. Madigan Laboratory, MC-051
1201 West Gregory Drive
Urbana, IL 61801 USA

Protocol:

I. Tissue from fully affected anasarca neonate pups that have not survived:

A. Please photograph the entire intact affected pup. Please remove both ears from the anasarca affected pup and place in a suitable small sample container filled with 70% alcohol.

B. Please count the number of anasarca pups in the litter and record it.

II. Tissue from un-affected littermate neonate pups that are survived:

A. Please collect the umbilical cord from normal pups (the littermates of the anasarca pup) and place in a suitable small sample container filled with 70% alcohol.

B. Please count the number of normal pups in the litter and record it.

III. Tissue from Dam & Sire producing the anasarca neonates:

A. Please collect 1 to 2mls of blood from the Dam and the Sire (if possible), and place in an EDTA containing blood collection tube that prevents coagulation. (Lavendar Top or Pink Top collection tube)

IV. Pedigree information on the Dam & Sire producing the anasarca litter:

A. Please provide a pedigree for both the Dam and the Sire. (as many generations as possible)

B. Were there any anasarca pups in the litter when the Dam and or the Sire were born?

C. Have the Dam or the Sire produced any other anasarca litters? If so, how many litters contained affected pups and how many litters were normal? How many anasarca pups have the Dam or the Sire produced over their breeding career?

D. Have any dogs in either the Dam or Sire's pedigree produced anasarca litters? If so, which ones? Is it possible to get blood samples from them?

V. Ship the samples and written data using any major carrier:

A. Please clearly mark all tissue samples, litter information, and pedigree information.

B. Please place the tissue samples and data in a suitable small container for shipping.

1. The written data can be emailed instead of shipped if easier.

Email to: mwhughes@usc.edu

C. Please ship the tissue samples and pedigree data to:

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