

ALVEDIA CANINE CROSSMATCH TEST AND IMHA

According to the literature, there is no good evidence of free circulating antibodies in the canine plasma/serum. Consequently, our Canine XM Test will be negative when you will perform a Major XM (Healthy Donor RBC with Recipient plasma DAT+)

In contrast, the presence of allo-antibodies in the plasma recipient will be detected by our XM Test and will give you a positive result.

This is totally different in the human medicine experience where a DAT positive patient will always give you a positive XM Test.

We always recommend to perform a Direct Antiglobulin Test (DAT) when you diagnose IMHA.

The rare occurrence if a donor is DAT+, the Major XM Test could be falsely positive.

EXAMPLE OF RESULT WITH A DAT + RECIPIENT DOG

(in this figure, we assume that the donor and the recipient are compatible)

XM TYPE			XM RESULT
MAJOR XM	DONOR RBC (HEALTHY DOG)	RECIPIENT PLASMA/SERUM (DAT+)	NEGATIVE
MINOR XM	DONOR PLASMA/SERUM (HEALTHY DOG)	RECIPIENT RBC (DAT+)	POSITIVE OR NEGATIVE*

- Depending on titration level: very low level of titration will not be detected. To be confirmed by performing a DAT