

TO: David N. McMurray <mcmurray@medicine.tamhsc.edu>, Thomas Ficht <tficht@cvm.tamu.edu>
SUBJECT: aerosol challenges
MAILBOX: McMurray.mbox

Hi Dr. McMurray,

I have a good group of mice that have been sitting post-vaccination for almost 20 weeks. I would like to challenge them via aerosol, to compare results with my i.p. challenge studies.

The 20 week timepoint for the majority of the mice is Feb. 8th. Are there any openings for the chamber around that time, and if so is it OK if we use it? I will also have to check with CMP to see if they have space in the BL-3 for my mice to be moved to.

I would also like to discuss dosage with you. I'm attaching my clearance curves for wild type *Brucella melitensis*. I was thinking of increasing the dose a log (to 5×10^9) to hopefully normalize the counts of mice within a group. I do not know if this dose is too high for the nebulizer. Also, we were thinking of euthanizing the mice 4 weeks post-challenge, as this seemed to be the "peak" of infection in the spleen, which is the tissue we mainly judge.

I look forward to hearing from you, and hope you're doing well.

Thanks,
Melissa

Melissa M. Kahl-McDonagh, Ph.D.
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ATTACHMENTS:

ID: 13

DATE: 2006-02-23 12:37:33

FROM: Tom Ficht <tficht@cvm.tamu.edu>

TO: David N. McMurray <mcmurray@medicine.tamhsc.edu>, L. Garry Adams <gadams@cvm.tamu.edu>

SUBJECT: Madison Chamber

MAILBOX: McMurray.mbox

David,

I was thinking that with your assistance and the purchase of a new chamber that we probably don't have any need for the old chamber. I will go ahead and have it surplused if you agree.

letter as well as her cv.

Thanks.

Tom

Thomas A. Ficht, Ph.D.
Professor
Veterinary Pathobiology
Texas A&M University
4467 TAMU
College Station, TX 77843-4467
979-845-4118 ph
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ATTACHMENTS:

ID: 36

DATE: 2006-04-13 06:43:38

FROM: David N. McMurray <mcmurray@medicine.tamhsc.edu>

TO: <tficht@cvm.tamu.edu>

SUBJECT: Re: Madison Chamber

MAILBOX: McMurray.mbox

Dear Tom:

We have used the chamber several times for TB infections since last October. I could put a complete calendar of those exposures together for you, if you think that would be helpful. Since March 1, we have used the chamber at least three times that I can recall. I was present at most of those infection procedures and all three procedures in March, along with various other members of my research team. I am virtually certain that _____ was not involved in any of the exposures which took place in March. I know of no evidence of cross-contamination of our guinea pigs exposed to TB during the interval since you began using the chamber, based upon bacterial culture of lungs and spleens. A large number of animals have been necropsied in the past 6 months, and I feel that any significant cross-infection would have been apparent.

I agree that chamber interior surface or animal basket contamination is the most likely source of a contact infection involving the conjunctiva. Safe decontamination is certainly an important aspect of chamber use. I am ready to work with you to insure the safety of future experiments.

Take care,

David

>>> Tom Ficht <tficht@cvm.tamu.edu> 4/12/2006 7:33 PM >>>
Dave,

I was working on this time line for our experiments and it raised a couple questions.

10/5/05 Initial trials

2/9/06 Second set of vaccine trials

3/1/06 Knockout mouse infections

Now I know ' was there for the first two, but I do not think
was there for the last one. I was also only there for the first trial.

My question is whether ' used the chamber since March 1st?
Although it would seem more likely that was infected when Brucella was actively used, the possibility exists that was infected during a subsequent visit. I have no reason to suspect that the chamber and room were not cleaned properly, but the time to onset of illness would fit for either date, i.e., 3-8 weeks. But if a latter exposure is a possibility, I also wondered if there was any evidence of brucellosis in your experimental animals.

The one certainty in my mind is that in order to enhance the safety of lab personnel, I have to be present during any use of the equipment to make certain it and the room are cared for and properly cleaned.

Tom

Thomas A. Ficht, Ph.D.
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ID: 10
DATE: 2006-04-13 08:08:06
FROM: Tom Ficht <tficht@cvm.tamu.edu>
TO: David N. McMurray <mcmurray@medicine.tamhsc.edu>
SUBJECT: Re: Madison Chamber
MAILBOX: McMurray.mbox

Dave,

Thanks for your continued support and assistance.

I was told yesterday that anyone concerned about potential exposure are welcome to go to Scott & White desk E (Occupational Health) to have blood drawn for testing anytime this week. Just mention that you are their as part of the TAMU occupational health program. If you have not been to Scott & White before they will require some simple information (name, address, SS#, etc).

tom

On 4/13/06 6:41 AM, "David N. McMurray" <mcmurray@medicine.tamhsc.edu> wrote:

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