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Description of document:	Dr. Bruce Ivins emails provided by TheEnterpriseReport.com Email Batch Eight
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Note:	See following page for other related material available from governmentattic.org

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**THE ENTERPRISE REPORT - [TheEnterpriseReport.com](http://TheEnterpriseReport.com)**

is an online investigative news site founded and published by award-winning Producer/Investigative Journalist Eric Longabardi. The site was named Best Online Website by the LA Press Club in 2008.

Eric Longabardi is a national award winning broadcast producer and investigative journalist with a career spanning nearly two decades. Longabardi has reported extensively on a wide variety issues related to the US Defense Department's research into biological and chemical weapons over the years. He has also reported extensively on the FBI 'Amerithrax' investigation of Dr. Bruce Ivins, the Fort Detrick, Maryland biowarfare scientist the U.S. Department of Justice (DOJ) claims was the person responsible for mailing Anthrax letters which killed five people and sickened 17 others in 2001. Longabardi was the first journalist to disclose the movements and detail the "window of opportunity" of Dr. Ivins on the dates the Anthrax letters were mailed and detail his whereabouts at the Fort Detrick Laboratory where he worked during the dates in question.

The nine batches of emails provided to governmentattic.org were obtained under the Freedom of Information Act (FOIA) by journalist Eric Longabardi beginning on January 22, 2009.

All of this material is available at [governmentattic.org](http://governmentattic.org).

This file is: Email Batch Eight: [DrBruceIvinsEmail\\_Eight.pdf](#) 272 KB

The other available files are:

The Release letter:	<a href="#">DrBruceIvinsEmail_ReleaseLetter.pdf</a>	30 KB
Email Batch One:	<a href="#">DrBruceIvinsEmail_One.pdf</a>	7 MB
Email Batch Two:	<a href="#">DrBruceIvinsEmail_Two.pdf</a>	170 KB
Email Batch Three:	<a href="#">DrBruceIvinsEmail_Three.pdf</a>	264 KB
Email Batch Four:	<a href="#">DrBruceIvinsEmail_Four.pdf</a>	176 KB
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All above material in one PDF:	<a href="#">DrBruceIvinsEmail_All.pdf</a>	6.2 MB

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** RE: Anthrax Plus adjuvant study  
**Date:** Wednesday, March 29, 2000 2:45:53 PM

---

We have some preliminary evidence in mice that CpG offers non-specific protection against challenge. We are in the midst of an experiment currently looking at the ability of CpG to render either specific or non-specific protection to guinea pigs. If successful, we'll go into primates. I think (b) (6) is jumping the gun a bit in completely bypassing animal studies which we have planned and are in the midst of.

- Bruce

>-----Original Message-----

>From: (b) (6) USAMRIID  
>Sent: Wednesday, March 29, 2000 12:56 PM  
>To: Ivins, Bruce E Dr USAMRIID  
>Cc: (b) (6) USAMRIID  
>Subject: FW: Anthrax Plus adjuvant study

>

>Bruce, Can you help me out with this? (b) (6) I thought you might want to know about this inquiry.

(b) (6)

(s)

>-----

>From: (b) (6) COL WRAMC-Wash DC  
>Sent: Tuesday, March 28, 2000 12:19 PM  
>To: (b) (6)

>Subject: Anthrax Plus adjuvant study

>

>

>Dear (b) (6)

> I was advised recently that you had done some studies on anthrax vaccine plus the DNA adjuvant CpG in animal models. I am meeting with (b) (6) on 5 April to discuss the possibility of a clinical pilot study comparing anthrax dose #1 IM plus CpG DNA versus anthrax IM at 0 and 4 weeks versus SQ 0 and 4 weeks following serologies over the subsequent 24 months with a second dose of CpG plus anthrax at 1 year. I would very much appreciate any information regarding your animal experience in this area.

>

(b) (6)

(b) (6)

(b) (6)

>

> << File: (b) (6) WRAMC-Wash DC.vcf >>

>

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** RE: CRM TO 4  
**Date:** Wednesday, March 29, 2000 2:40:55 PM

---

Thanks, (b) (6)

>-----Original Message-----

>From: (b) (6)  
>Sent: Wednesday, March 29, 2000 1:40 PM  
>To: (b) (6)  
>Cc: Ivins, Bruce E Dr USAMRIID  
>Subject: FW: CRM TO 4  
>Importance: High

> (b) (6)

>Check on this one first thing in the morning. More than likely a Form 9 has been done to get her through 31 December and (b) (6) hasn't gotten to it. But make sure that is the case.

>Thanks

>-----Original Message-----

>From: Ivins, Bruce E Dr USAMRIID  
>Sent: Wednesday, March 29, 2000 11:29 AM  
>To: (b) (6)  
>Subject: RE: CRM TO 4

> (b) (6)

(s) The last I heard we had enough FY 00 contract money in 6EDP to cover (b) (6) contract with CRM. What do I need to do to straighten this situation out?

> Thanks!

> - Bruce

>-----Original Message-----

>From: (b) (6)  
> (b) (6) Tuesday, March 28, 2000 11:38 AM  
>To: Ivins, Bruce E Dr USAMRIID  
>Cc: (b) (6)  
>Subject: CRM TO 4  
>Importance: High

> Bruce,

> We are out of funds again on this. Do you have more funds on there way over here? Let us know so we can process the voucher for the month of Feb.

> Thanks

> (b) (6)

> Contract Specialist, USAMRAA

>

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** RE: CRM TO 4  
**Date:** Thursday, March 30, 2000 9:02:00 AM

---

Great! Thanks!

- Bruce

>-----Original Message-----

>From: (b) (6) USAMRIID  
>Sent: Thursday, March 30, 2000 7:59 AM  
>To: (b) (6) SAMRAA  
>Cc: Ivins, Bruce E Dr USAMRIID; (b) (6)  
>Subject: RE: CRM TO 4

>

(b) (6)

>

>This one has been funded thru 31 December 2000 (FORM9M98166003-138) which was signed off by (b) (6) on 07 January 2000. If you need a copy, please provide me with your fax number and I'll send it right over.

>

>Thanks!

(b) (6)

>

>-----Original Message-----

> From: (b) (6) USAMRIID  
> Sent: Wednesday, March 29, 2000 1:40 PM  
> To: (b) (6) USAMRIID  
> Cc: Ivins, Bruce E Dr USAMRIID  
> Subject: FW: CRM TO 4  
> Importance: High

>

(b) (6)

>

> Check on this one first thing in the morning. More than likely a Form 9 has been done to get her through 31 December and B.C. hasn't gotten to it. But make sure that is the case.

>

> Thanks

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us know

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** FW: IP Volume  
**Date:** Friday, March 31, 2000 1:39:25 PM

---

>-----Original Message-----

>From: (b) (6)  
>Sent: Friday, March 31, 2000 11:33 AM  
>To: Ivins, Bruce E Dr USAMRIID  
>Subject: IP Volume

>

>Bruce,

> The maximum volume recommended for a single IP injection in a mouse is 2-3 mls. As long as there was no abdominal distension the next day or two, I don't see why it couldn't be repeated at 1-2 day intervals.

>

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** RE: bacillus PA  
**Date:** Friday, March 31, 2000 10:44:25 AM

---

PA per animal = 50 micrograms, (b) We've got AVA for you whenever you want it.

- Bruce

>-----Original Message-----

>From: (b) (6)  
(b) (6) 2000 9:28 AM

>To: Ivins, Bruce E Dr USAMRIID

>Subject: bacillus PA

>

>Bruce,

> Just wanted to let you know that all the vaccinations went well. For the bacillus PA, we administered 500µl of each innoculum to each animal as you instructed, but what was the amount of PA antigen per animal? In 2 weeks we will start the next phase of this study which has a control group of animals that receives the human AVA vaccine. Do I get that from the clinic or do yo have it?

>

>Thanks,

(b)

(6)



**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** Steering Committee meeting  
**Date:** Saturday, April 01, 2000 9:05:06 PM

---

(b) (6)

I won't be able to meet Wednesday - Friday of this week due to the 110-rabbit aerosol challenge experiment testing the two PA preparations. Please let me know which of the following is preferable:

- 1) Meeting on Monday, 3 April or Tuesday, 4 April
- 2) My passing (by email) my proposal scores and comments along to both of you for the proposals I reviewed.
- 3) My meeting with (b) (6) on Monday or Tuesday and giving her my scores and opinions. Then those scores and opinions can (b) (6) included in the discussion the two of you have sometime Wednesday.

Thanks.

- Bruce

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** RE: Vaccine  
**Date:** Monday, April 03, 2000 10:37:48 AM

---

The antigen is not quantitated - that's one reason we want to develop a new vaccine. The amount of aluminum (in aluminum hydroxide adjuvant) is 0.725 mg per 0.5-ml dose. The PA level per dose varies (apparently) from about 0.5 micrograms to 20 micrograms. The release criterion for the vaccine is based on passing a potency assay in guinea pigs. It is not based on a standard or minimum amount of PA in the vaccine.

- Bruce

>-----Original Message-----

>From: (b) (6)  
>Monday, April 03, 2000 10:35 AM  
>To: Ivins, Bruce E Dr USAMRIID  
>Subject: RE: Vaccine

>  
>How much antigen is in that?

>  
>-----  
>From: Ivins, Bruce E Dr USAMRIID  
>Sent: Monday, April 3, 2000 10:33 AM  
>To: (b) (6) USAMRIID  
>Subject: RE: Vaccine

>  
> (b):  
> ) The guinea pigs should get 0.5 ml I.m. We will give you a 5-ml vial, which should cover what you need. Stop by anytime and pick it up - just let us know beforehand.

>  
> - Bruce

>-----Original Message-----  
>From: (b) (6) USAMRIID  
>Sent: Monday, April 03, 2000 9:51 AM  
>To: Ivins, Bruce E Dr USAMRIID  
>Subject: RE: Vaccine

>  
> Bruce,  
> There are 6 guinea pigs that will need the AVA vaccine. We did not give the dose in the protocol, only the inoculum volume (500µl). We will use whatever dose you think is best. Just let me know what it is so I can record it in my lab notebook.

>  
> Thanks,  
> (b)

>-----  
>From: Ivins, Bruce E Dr USAMRIID  
>Sent: Monday, April 3, 2000 9:44 AM  
>To: (b) (6) USAMRIID  
>Subject: Vaccine

>  
> (b) -  
> (b) Call me how much AVA you would like to have for the April 13 vaccinations and you can get it anytime.

>  
> - Bruce

>  
>

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** FW: Contract  
**Date:** Thursday, April 06, 2000 11:06:10 AM  
**Attachments:** [anthraxtemplate.doc](#)

---

-----Original Message-----

From: (b) (6)  
[REDACTED] Wednesday, February 23, 2000 12:31 PM  
To: 'Ivins, Bruce E Dr USAMRIID'  
Subject: RE: Contract

I've attached it just in case.

<<anthraxtemplate.doc>>

> -----Original Message-----

> From: Ivins, Bruce E Dr USAMRIID (b) (6)  
> Sent: Wednesday, February 23, 2000 12:26 PM  
> To: (b) (6)  
> Subject: RE: Contract

>  
> Sure, (b) (6) I'm sorry that it's taken so long. I'll keep on (b) (6) o get it  
> signed (6) If he's misplaced it, I'll let you know and you ca (6) send us (FAX  
> or  
> email) a new copy.

> Thanks again,

> - Bruce

> -----Original Message-----

> From (b) (6)  
> Sent: Wednesday, February 23, 2000 12:08 PM  
> To: 'Ivins, Bruce E Dr USAMRIID'  
> Subject: RE: Contract

> Thanks, Bruce!

> > -----Original Message-----

> > From: Ivins, Bruce E Dr USAMRIID  
> > (b) (6)  
> > Sent: Wednesday, February 23, 2000 12:13 PM  
> > To: (b) (6)

> > Subject: FW: Contract

> >  
> > If we intend to have an international anthrax conference in 2001, the  
> > contract needs to be signed!! (b) (6) believe that you have the contract.  
> > Can (6)  
> > we please get this taken care of before the whole thing falls through,  
> > and  
> > we owe the ASM for a conference that they worked on?

> >  
> > - Bruce  
> >  
> >

> > -----Original Message-----  
> > From: (b) (6)  
> > Sent: Wednesday, February 23, 2000 10:41 AM  
> > To: (b) (6)  
> > Cc: Bruce Ivins (E-mail)  
> > Subject: RE: Contract

> >  
> > (b) (6) I can't sign it until the Army comes to a final agreement with  
> AS(M)  
> > Would you please extend that deadline another six weeks? I know its a  
> lot  
> > to ask, but the agreement must make its way up the ranks at Ft. Detrick.  
> >  
> > I am copying our contact there, Bruce Ivins, to let him know that you  
> are  
> > awaiting word. Thanks for your patience.

> > > -----Original Message-----  
> > > From: (b) (6)  
> > > Wednesday, February 23, 2000 9:55 AM  
> > > To: (b) (6)  
> > > Subject: Contract

> > >  
> > >  
> > > Hi (b) (6) just a reminder that we were expecting the contract by  
> February (b) (6)  
> > > 18...  
> > > If you would please sign and return by Friday, I would appreciate it  
> > > greatly...any questions, please advise. We look forward to hosting  
> > your  
> > group  
> > > . Best wishes,  
> > >  
> > > (b) (6)  
> > >

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** RE: BIOPORT  
**Date:** Saturday, April 08, 2000 10:46:01 AM

---

(b) (6)

I am in the hot suite (b) (2) aerosolizing rabbits until about 1430 on Monday. Anytime after 1500 would be fine. (b) (6) and I would be more than willing to help BioPort with the guinea pig potency test. I think that almost all of it can be handled by phone, FAX and email. We've already made a number of suggestions about how to get their test in line.

- Bruce

>-----Original Message-----

>From: (b) (6) USAMRIID  
>Sent: Friday, April 07, 2000 6:58 PM  
>To: Ivins, Bruce E Dr USAMRIID

(b) (6)

>Subject: BIOPORT

>

>Bruce - I intended to talk with you today, but the day got away from me. (b) (6) would like to have you help on a team that he has pulled together to work on the potency test for AVA. This is probably an area where we can be of assistance in helping out the group. (b) (6) may have called you this afternoon. If so, my apologies for not discussing this possibility before (b) (6) called. We will need to talk on Monday.

>Thanks

(b) (6)

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** FW: POTENCY TEST TEAM  
**Date:** Monday, April 10, 2000 9:18:19 PM

---

>-----Original Message-----

>From: (b) (6)  
>Sent: Monday, April 10, 2000 6:00 PM  
>To: (b) (6) Ivins, Bruce E Dr USAMRIID; (b) (6)

>Subject: POTENCY TEST TEAM

>

(b) (6) - Bruce Ivins, (b) (6) and myself discussed the potency test team that is being established at BioPort. Bruce is available as we discussed to assist the team in working through the many variables and to provide advice from his experience here, although we believe that many of the issues can be dealt with telephonically or electronically. However, it would be beneficial for Bruce to visit BioPort and meet with the team to get a first-hand sense of the issues. This week Bruce et al. are completing a 110 rabbit aerosol challenge study for rPA so this week is out, but next week would be good. The bottom line - Bruce will contact you about arranging a time for him to visit BioPort next week. As we were discussing this issue, we also thought about lab animal issues as a variable and are considering sending a lab animal officer along too. Do you think that it would be useful to include a vet to join in on the discussions of the animal issues?

>

(b) (6)

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** FW: POTENCY TEST TEAM  
**Date:** Monday, April 10, 2000 10:13:46 PM

---

(b) (6)

Next week would be good for me, especially Wednesday or Thursday. I have a Doctor's appointment on Tuesday, April 18, so let me know well in advance if I need to cancel it. (I'm supposed to give a week's notice, so you'd have to tell me by Tuesday afternoon. Also, please send to me by FAX or email a copy of the potency test. I used to have it, but I lent it to someone and didn't get it back. I think it's in the CFR.

Thanks,

Bruce

Provided in other email





**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** RE: POTENCY TEST TEAM  
**Date:** Tuesday, April 11, 2000 7:08:48 AM

---

(b) (6)

I'll talk to (b) (6) this morning about whether she can go to BioPort and if she's interested in joining the Potency Test Team. She has had a number of very good ideas in the past about how it can be improved.

- Bruce

-----Original Message-----

**From:** (b) (6) USAMRIID  
**Sent:** Tuesday, April 11, 2000 7:07 AM  
**To:** (b) (6) Ivins, Bruce E Dr USAMRIID; (b) (6)  
**Subject:** RE: POTENCY TEST TEAM

thanks

(b) (6)

(6)

-----Original Message-----

**From:** (b) (6)  
**Sent:** Monday, April 10, 2000 11:50 PM  
**To:** 'Ivins, Bruce E Dr USAMRIID'; (b) (6)  
**Subject:** RE: POTENCY TEST TEAM

All,

I will check with the team at BioPort about a lab vet tomorrow. Sounds like a good idea. Will contact Bruce tomorrow about the following week. The potency test is the same, except for how they do the calculations, which has changed. I'll get a copy tomorrow and will forward to Bruce.

(b) (6)

[REDACTED]

> > Sent: Monday, April 10, 2000 6:00 PM

provided in other emails

[REDACTED]

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** RE: POTENCY TEST TEAM  
**Date:** Tuesday, April 11, 2000 7:29:23 AM

---

(b) (6) will be happy to be on the USAMRIID contingent of the Potency Test Team. We'll have to find out when the meeting at BioPort will be before she can commit to the visit. Wednesday and Thursday are the best days for us, Thursday especially.

- Bruce

-----Original Message-----

**From:** (b) (6)  
**Sent:** Tuesday, April 11, 2000 7:21 AM  
**To:** (b) (6); Ivins, Bruce E Dr USAMRIID  
**Subject:** RE: POTENCY TEST TEAM

Wow! That is a big turnout.

(b) (6)  
(6)

-----Original Message-----

**From:** (b) (6)  
**Sent:** Tuesday, April 11, 2000 7:14 AM  
**To:** (b) (6); Ivins, Bruce E Dr USAMRIID  
**Subject:** RE: POTENCY TEST TEAM

(b) (6)  
(b) (6) will be at the Holiday Inn South today for the training. More than 30 signed up, so BioPort needed to find a room larger enough for the presentation.

(b) (6)

> -----Original Message-----

> **From:** (b) (6)  
> (b) (6)  
> **Sent:** Tuesday, April 11, 2000 7:07 AM  
> **To:** (b) (6); Ivins, Bruce E Dr USAMRIID; (b) (6)  
> USAMRIID  
> **Subject:** RE: POTENCY TEST TEAM

>  
> thanks

> (b) (6)  
> (6)

> -----Original Message-----

> **From:** (b) (6)  
> **Sent:** Monday, April 10, 2000 11:50 PM  
> **To:** 'Ivins, Bruce E Dr USAMRIID'; (b) (6)  
> (b) (6) RE: POTENCY TEST TEAM

>  
>

> All,  
> I will check with the team at BioPort about a lab vet tomorrow. Sounds like a good idea. Will contact Bruce tomorrow about the following week. The potency test is the same, except for how they do the calculations, which

> has  
> changed. I'll get a copy tomorrow and will forward to Bruce.

> (b) (6)

>

> > -----Original Message-----

> > From: Ivins, Bruce E Dr USAMRIID

> > [(b) (6)]

> > Sent: Monday, April 10, 2000 10:14 PM

> > To: (b) (6)

> > Subject: FW: POTENCY TEST TEAM

> >

> > (b) (6)

> > Next week would be good for me, especially Wednesday or Thursday. I

> > have a Doctor's appointment on Tuesday, April 18, so let me know well in

> > advance if I need to cancel it. (I'm supposed to give a week's notice,

> > so

> > you'd have to tell me by Tuesday afternoon. Also, please send to me by

> > FAX

> > or email a copy of the potency test. I used to have it, but I lent it to

> > someone and didn't get it back. I think it's in the CFR.

> >

> > Thanks,

> >

> > Bruce

> >

> > > -----Original Message-----

provided in  
other emails

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th il

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** RE: PA Comparison  
**Date:** Monday, April 17, 2000 10:15:59 AM

---

We just had another Avant-25 rabbit die. The numbers below reflect the new survival values.

>-----Original Message-----

>From: Ivins, Bruce E Dr USAMRIID

>Sent: Monday, April 17, 2000 10:09 AM

Provided  
in  
other  
email  
is

[The remainder of the email body is redacted with black bars.]

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** PA Comparison  
**Date:** Monday, April 17, 2000 10:09:09 AM

---

It has been 7 days since the final group of rabbits was aerosolized in this experiment (B00-03), which had 3 objectives:

- a) Select a PA for further testing in efficacy experiments (from Bacillus anthracis Delta Sterne-1(pPA102)CR4 produced at the MARP, or from E.coli, produced at Avant.
- b) Correlate survival with ELISA and toxin neutralizing titers in the rabbits.
- c) Correlate survival with dose of PA + aluminum hydroxide.

Thus far here is what we have as far as survival data (survivors/total challenged):

DOSE OF PA (micrograms)	MARP PA	Avant PA
25	8/10	6/10
5	4/10	4/10
1	2/10	2/10
0.2	1/10	0/10
0.08	0/10	0/10

The animals immunized with the Avant PA have seemed to die a little quicker than those immunized with MARP PA. We'll caculate mean times to death after all the animals have died to see if there is a pattern.

(b) (6) We'll try to get to you the AGI data by the end of the week so that the spore doses which the rabbits received can be calculated.

(b) (6) - Please let us know when you have the ELISA data and the TNA (toxin neutralizing assay) data.

- Bruce

**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** (b) (6)  
**Subject:** RE: stuff  
**Date:** Monday, April 17, 2000 4:25:56 PM

---

(b)

(6) We never used Ribi adjuvant in primates. I would guess that a 1-ml dose is appropriate, since that is what is called for in rabbits, and that is what is used for goats. I would recommend a total of 50 micrograms of PA in 1.0 ml, with 0.5 ml in each of two intramuscular sites.

I have Thursday, April 20, as the day for vaccination. Let me know if it is not. We will have the PA + Ribi and PA + Alhydrogel for you. Just stop by the office on the day of vaccination, and (b) (6) will get them for you. Let me know about the dates.

- Bruce

>-----Original Message-----

>From: (b) (6) USAMRIID  
>Sent: Monday, April 17, 2000 3:29 PM  
>To: Ivins, Bruce E Dr USAMRIID  
>Subject: stuff

>

>Bruce,

> I have a couple questions I was hoping you could answer for me. When you used RIBI in primates, what was your protocol like (volume of inoculum, antigen dose, immunization site)? We are going to do a prime-boost experiment with Ebola and will be using RIBI.

>

> Also, we have more guinea pigs this Friday to vaccinate. 12 animals will need the bacillus PA in RIBI and 12 animals will need the bacillus PA in alum. I have some RIBI now and won't need to borrow any. I can also replace what I did borrow.

>

>Thanks,

(b)

(6)



**From:** [Ivins, Bruce E Dr USAMRIID](#)  
**To:** [Ivins, Bruce E Dr USAMRIID](#); (b) (6)  
**Subject:** RE: PA Comparison  
**Date:** Tuesday, April 18, 2000 8:49:29 PM

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On Tuesday, 18 APR, 1 more rabbit died that had been immunized with 25 micrograms of Avant (E. coli) PA. That makes the survivors/total for 25 micrograms of PA:  
MARP PA - 8/10  
Avant PA - 4/10

- Bruce

>-----Original Message-----

>From: Ivins, Bruce E Dr USAMRIID

>Sent: Monday, April 17, 2000 10:09 AM

provided in other emails

