

Message

From: Yair Blumenfeld [yairb@stanford.edu]
Sent: 12/31/2006 3:55:36 AM
To: Stephen Quake [quake@stanford.edu]
CC: Christina Fan [chfan@stanford.edu]
Subject: Re: DNA samples

I'm not sure what gestational age the samples are from but I imagine most of them are between 10-24 weeks (The study compared first and second trimester screens). I don't think that they have more than one sample per patient though I would love to be pleasantly surprised. We should also ask them for an equal number of samples from patients who did not have Down Syndrome (also from the same study) so that if the test works, we can then blind ourselves to the outcome and obtain sensitivity and specificity for the test.

Quoting Stephen Quake <quake@stanford.edu>:

> I think we can test proof of principle with 2mL. It would be nice to
> have samples from both early and late pregnancy (not necessarily from
> same mom) and it would be quite important to choose samples for which
> the fetus is male (so we can do a positive control with
> gender-specific marker).

>
> Our first step would be to verify that we can get enrichments similar
> to what are claimed in the literature; if we do, then the downs test
> is a slam dunk.

>
> Steve

>
> On 12/29/06, Yair Blumenfeld <yairb@stanford.edu> wrote:
> > Hi Steve,

> >
> > I just got word from Columbia regarding the samples. They wanted us to
> know
> > that the samples are stored as serum and only a few cc's exist for each
> > patient. I realize that in an ideal world we would get 10 cc of serum.
> Is
> > there any way we can still use the samples if we only have a "few
> cc's"?

> > They are not sure of the exact volume but it could be from 2-5.
> >

> > Yair

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> -----
> Stephen Quake
> Professor of Bioengineering
> Stanford University

> >
> PLEASE REPLY TO: quake@stanford.edu

>
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