

**STATE OF HAWAII  
DEPARTMENT OF HEALTH**

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**Testimony COMMENTING on SB 194  
RELATING TO TUBERCULOSIS TESTING**

**SENATOR MICHELLE KIDANI, CHAIR  
SENATE COMMITTEE ON EDUCATION**

Hearing Date: January 30, 2017

Room Number: 229

1 **Fiscal Implications:** None

2 **Department Testimony:** The Department of Health supports the intent of S.B. 194. This Bill  
3 requires the Department of Health to accept all tuberculosis (TB) tests that are approved by the  
4 Food and Drug Administration and recommended by the Centers for Disease Control and  
5 Prevention for mandatory TB screening. The Department is in the process of updating Chapter  
6 164, Hawaii Administrative Rules to meet the requirements of S.B. 194.

7 Thank you for the opportunity to testify on this measure.

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, January 30, 2017 6:00 AM  
**To:** EDU Testimony  
**Cc:** nakoam@aol.com  
**Subject:** Submitted testimony for SB194 on Jan 30, 2017 14:45PM

**SB194**

Submitted on: 1/30/2017

Testimony for EDU on Jan 30, 2017 14:45PM in Conference Room 229

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Maly Nako	Individual	Support	No

Comments: As an RN I am in support of this bill because it will allow a timely result of an individuals's TB status unlike the skin test which has to be read between 48-72 hrs. Skin test may need to be repeated if this time frame is missed. A delay could mean employment delays, school entry delays, or even treatment delays. Please pass this bill.

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January 29, 2017

To: Senator Michelle Kidani, Chair of Education Committee, Senator Kaiali'i Hanele, Vice Chair of Education Committee

From: Cheryl Toyofuku

Re: Support for SB194 – Relating to Tuberculosis Testing

Hearing: Monday, January 30, 2017 at 2:45 p.m., Conference Room 229

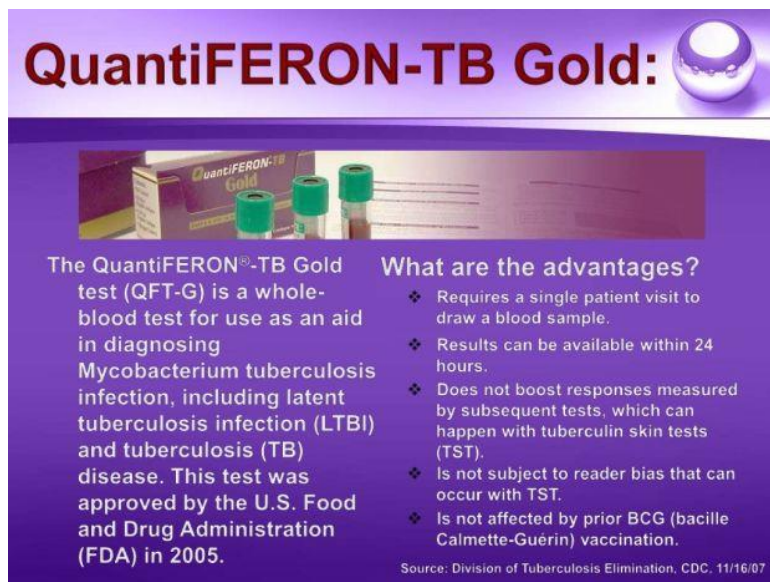
I support SB194 that will provide a tuberculosis blood test as an acceptable TB diagnostic for the purpose of obtaining a certificate of TB examination. The CDC statement verifies that “There are two kinds of tests that are used to detect TB bacteria in the body: the TB skin test (TST) and the TB blood tests.” <https://www.cdc.gov/tb/topic/testing/>


Two TB blood tests are approved by the U.S. Food and Drug Administration (FDA) and are available in the United States: the QuantiFERON®–TB Gold In-Tube test (QFT-GIT) and the T-SPOT®.TB test (T-Spot).


<https://www.cdc.gov/tb/topic/testing/tbtesttypes.htm>

A TB blood test is a much safer, more accurate, quicker and convenient test for the detection of tuberculosis infection.

<http://www.quantiferon.com/irm/content/quantiferon-tb-gold1.aspx?RID=300>



**QuantiFERON-TB Gold:** 



The QuantiFERON®-TB Gold test (QFT-G) is a whole-blood test for use as an aid in diagnosing Mycobacterium tuberculosis infection, including latent tuberculosis infection (LTBI) and tuberculosis (TB) disease. This test was approved by the U.S. Food and Drug Administration (FDA) in 2005.

**What are the advantages?**

- ❖ Requires a single patient visit to draw a blood sample.
- ❖ Results can be available within 24 hours.
- ❖ Does not boost responses measured by subsequent tests, which can happen with tuberculin skin tests (TST).
- ❖ Is not subject to reader bias that can occur with TST.
- ❖ Is not affected by prior BCG (bacille Calmette-Guérin) vaccination.

Source: Division of Tuberculosis Elimination, CDC, 11/16/07

The TB blood test is less harmful than the TB skin test where tuberculin purified protein derivative (antigen) is injected under the skin.

<https://www.cdc.gov/tb/publications/factsheets/testing/skintesting.htm>

Europe approved the TB blood test in 2004 which replaced the tuberculin skin test.

<http://icpa4kids.org/Wellness-Research/europe-approves-tb-blood-test-forget-tb-skin-tests.html>

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, January 29, 2017 9:19 PM  
**To:** EDU Testimony  
**Cc:** jadesky7@hotmail.com  
**Subject:** Submitted testimony for SB194 on Jan 30, 2017 14:45PM

**SB194**

Submitted on: 1/29/2017

Testimony for EDU on Jan 30, 2017 14:45PM in Conference Room 229

Submitted By	Organization	Testifier Position	Present at Hearing
natasha sky	Individual	Support	No

Comments: According to the Mantoux package insert, this injection contains Phenol and Polysorbate 80. Both substances known to cause a host of health issues. Please pass this bill to INCLUDE blood draw for tuberculosis clearance. It is a much safer and more accurate test than the current Mantoux test required by state law. As a mother of two young children who will enter preschool school, this bill greatly affects me. My children gave certain genetics that impair their methylation cycle, therefore making it hard for their body to process and detox toxins. I myself, with these genetic issues, have various allergies to preservatives that are life threatening. I fear my children may react to these toxic preservatives in the Mantoux test. I kindly ask you to add the blood draw option to allow parents a safer alternative. Thank-you for your time and consideration. Phenol: "MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: kidneys, liver, central nervous system (CNS). Passes through the placental barrier. May cause adverse reproductive effects and birth defects (teratogenic) Embryotoxic and/or foetotoxic in animal. May affect genetic material (mutagenic). "  
<http://www.sciencelab.com/msds.php?msdsId=9926463> Phenol also found to promote tumors- [https://hero.epa.gov/hero/index.cfm/reference/details/reference\\_id/59184](https://hero.epa.gov/hero/index.cfm/reference/details/reference_id/59184)  
Polysorbate 80: "German researchers have identified polysorbate 80 as the cause of an anaphylactic reaction in a patient. Pubmed.gov cited the study, which concluded that "polysorbate 80 is a solubilizing agent that can cause severe nonimmunologic anaphylactoid reactions" (<http://www.ncbi.nlm.nih.gov/pubmed/16400901>). In other words, this agent can suppress your immune system and cause a severe allergic reaction, which could kill you." "As far back as 1993, scientists were aware that polysorbate 80 causes infertility in mammals. Baby female rats were injected with the substance and experienced accelerated maturation, hormonal changes, decreased weight of the uterus and ovaries, and degenerative follicles (<http://www.ncbi.nlm.nih.gov/pubmed/8473002?d...>). Mantoux ingredients found here: <http://www.fda.gov/downloads/BiologicsBloodVaccines/Vaccines/ApprovedProducts/ucm114924.pdf>

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Saturday, January 28, 2017 12:25 PM  
**To:** EDU Testimony  
**Cc:** claudiarice25@gmail.com  
**Subject:** \*Submitted testimony for SB194 on Jan 30, 2017 14:45PM\*

**SB194**

Submitted on: 1/28/2017

Testimony for EDU on Jan 30, 2017 14:45PM in Conference Room 229

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
claudia rice	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Friday, January 27, 2017 9:44 PM  
**To:** EDU Testimony  
**Cc:** Planetarystorm@hotmail.com  
**Subject:** Submitted testimony for SB194 on Jan 30, 2017 14:45PM

**SB194**

Submitted on: 1/27/2017

Testimony for EDU on Jan 30, 2017 14:45PM in Conference Room 229

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
elizabeth	Individual	Support	No

Comments: It is well known that the current skin test that is currently used is not even reliable (producing false results), whereas the blood test is proven to be the more reliable method. Most parents prefer not to inject the tb virus into their child's skin if given the option. More and more parents are becoming knowledgeable on the options and are not given a reasonable answer as to why the more reliable and less invasive test is not an option for their children.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Friday, January 27, 2017 5:08 PM  
**To:** EDU Testimony  
**Cc:** jennymaliahudson@yahoo.com  
**Subject:** \*Submitted testimony for SB194 on Jan 30, 2017 14:45PM\*

**SB194**

Submitted on: 1/27/2017

Testimony for EDU on Jan 30, 2017 14:45PM in Conference Room 229

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
jenny hudson	Individual	Support	No

Comments:

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**Sent:** Friday, January 27, 2017 3:46 PM  
**To:** EDU Testimony  
**Cc:** begoniabarry@gmail.com  
**Subject:** \*Submitted testimony for SB194 on Jan 30, 2017 14:45PM\*

**SB194**

Submitted on: 1/27/2017

Testimony for EDU on Jan 30, 2017 14:45PM in Conference Room 229

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Barbara Barry	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Friday, January 27, 2017 11:46 AM  
**To:** EDU Testimony  
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**Subject:** Submitted testimony for SB194 on Jan 30, 2017 14:45PM

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Submitted on: 1/27/2017

Testimony for EDU on Jan 30, 2017 14:45PM in Conference Room 229

Submitted By	Organization	Testifier Position	Present at Hearing
Jessica McCormick	Individual	Support	No

Comments: I strongly SUPPORT SB194. Allowing the Tuberculosis Blood Test as a screening is long overdue. The Tuberculosis Blood Test is a safer option than the Mantoux test, and it is also more accurate according to the research I have done. Here are the advantages according to the manufacturer's website: "What are the advantages of QuantiFERON®-TB Gold In-Tube over tuberculin skin test (TST)? Improved specificity Results are not subject to reader bias Results are not affected by the booster phenomenon (i.e., increased sensitivity on subsequent test, leading to false-positive results) Accuracy is not affected by prior BCG (bacille Calmette-Guérin) vaccination Requires only 1 patient visit (2-4 required for TST) Cost savings from reduced staff time and avoidance of unnecessary follow-up testing and treatment"

<http://www.questdiagnostics.com/home/physicians/testing-services/by-test-name/quantiferon.html> This test has been approved by the FDA and CDC since 2010, and one of the top officials in the Hawaii Department of Health Tuberculosis Control Program expressed their frustration that this test was not legally an option when we sought it for our children in 2015! This bill needs to be passed as soon as possible and made into law immediately so that people can choose to do the more safe and effective screening whenever it is a requirement for school or work attendance.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Friday, January 27, 2017 12:26 AM  
**To:** EDU Testimony  
**Cc:** dawn@pitreart.com  
**Subject:** Submitted testimony for SB194 on Jan 30, 2017 14:45PM

**SB194**

Submitted on: 1/27/2017

Testimony for EDU on Jan 30, 2017 14:45PM in Conference Room 229

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dawn Poiani	Individual	Support	No

Comments: The fact that the blood test only requires one office visit and that a blood test may be useful if you're at high risk of TB infection but have a negative response to the skin test, or if you've recently received the BCG vaccine makes this a good change to the TB testing policy.

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**Sent:** Friday, January 27, 2017 12:05 AM  
**To:** EDU Testimony  
**Cc:** foodsovereignty@gmail.com  
**Subject:** Submitted testimony for SB194 on Jan 30, 2017 14:45PM

**SB194**

Submitted on: 1/27/2017

Testimony for EDU on Jan 30, 2017 14:45PM in Conference Room 229

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mitsuko Hayakawa	Individual	Support	No

Comments: Aloha Members of the Education Committee, As a mother of three children, I would appreciate the option of taking the TB blood test instead of the skin test. Please support SB194. Mahalo. Mitsuko Hayakawa

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