

## Message

**From:** Adam Rosendorff [/O=THERANOS ORGANIZATION/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=ADAM ROSENDORFD92]  
**Sent:** 9/30/2014 6:44:40 PM  
**To:** Tina Lin [/o=theranos organization/ou=exchange administrative group (fydibohf23spdlt)/cn=recipients/cn=tina lin942]; Daniel Young [/o=theranos organization/ou=first administrative group/cn=recipients/cn=dyoung]; Chinmay Pangarkar [/o=theranos organization/ou=first administrative group/cn=recipients/cn=cpangarkar]  
**CC:** Christian Holmes [/o=theranos organization/ou=exchange administrative group (fydibohf23spdlt)/cn=recipients/cn=christian holmes]; Daniel Edlin [/o=theranos organization/ou=exchange administrative group (fydibohf23spdlt)/cn=recipients/cn=daniel edlin]  
**Subject:** RE: Physician Call Back

Great- thanks-

What was the last time IQP/AAP was performed for testosterone?

Adam

**From:** Tina Lin  
**Sent:** Tuesday, September 30, 2014 11:42 AM  
**To:** Adam Rosendorff; Daniel Young; Chinmay Pangarkar  
**Cc:** Christian Holmes; Daniel Edlin  
**Subject:** RE: Physician Call Back

Here are the counts. Daniel and Chinmay can comment more.

Conc	er	Tip1	Tip2	Tip3	Tip4	Tip5	Tip6	conc1	conc2	conc3	conc4	conc5	conc6	result
1439	E001	2381	1098	2709	2930	2809	3014	998.3	INVA	932.0	895.4	1061.	909.7	1016.
55	060	.28	.68	.19	.62	.62	.11	044	LID	226	965	748	528	513

This run was done at 9/10 at 2:10pm. QC for E001060 passed both its levels for that day at 6:30pm the night before.

Thanks,

Tina

**From:** Adam Rosendorff  
**Sent:** Tuesday, September 30, 2014 11:38 AM  
**To:** Amelia Aguirre; Tina Lin  
**Cc:** Christian Holmes; Daniel Edlin  
**Subject:** RE: Physician Call Back

Tina

Can you please check the total testosterone result of 1017 ng/dL (See below)- Free Testo is calculated using Albumin and SHBG on the Immulite- these were both normal in this case. Can we please verify the technical performance of the total testosterone in this instance?

Thanks,-

The screenshot shows a laboratory information system (LIS) interface. At the top, there are tabs for 'Lab Results', 'Registration', 'Subscribers', and 'Attachments'. Below these are 'Actions' buttons for 'Print', 'Email', 'Add', 'Refresh', 'Void Checked Results', 'Release Checked Result', 'Approve All Results', and 'Refresh'. The main area displays 'No. of Tests: 2' and 'No. of Results: 5'. A filter bar shows 'Critical', 'Ineterminate', 'Abnormal', and 'None'. Below this is a table of results for two tests: '64402 - Testosterone, Free' and '64404 - Testosterone, Total'. The table has columns for 'Result Name', 'Result Value', 'Critical Low', 'Low', 'Normal', 'High', 'Critical High', and 'Reference Range'. The results are as follows:

Result Name	Result Value	Critical Low	Low	Normal	High	Critical High	Reference Range
Albumin	4.5 g/dL			●			3.5 - 5.1
Testosterone	1017 ng/dL				●		129 - 767
Testosterone Free	25.25 ng/dL				●		0.00 - 21.00
Sex hormone binding globulin	32 nmol/L			●			10 - 57

Below this is another table for '64404 - Testosterone, Total' with the following result:

Result Name	Result Value	Critical Low	Low	Normal	High	Critical High	Reference Range
Testosterone	1017 ng/dL				●		129 - 767

On the right side of the interface, there is a 'Visit Notes' button and a 'Print' button. Below these, the date and time '09/30/2014 07:58:29 PM' and 'LIS' are displayed, along with the user 'Steve Moran' and 'Results Issued: Job ID: 10132'.

**From:** Amelia Aguirre  
**Sent:** Tuesday, September 30, 2014 11:36 AM  
**To:** Adam Rosendorff; Tina Lin  
**Cc:** Christian Holmes; Daniel Edlin  
**Subject:** RE: Physician Call Back

Looping in Tina.

Tina, can you verify information below?

**From:** Adam Rosendorff  
**Sent:** Tuesday, September 30, 2014 11:34 AM  
**To:** Amelia Aguirre  
**Cc:** Christian Holmes; Daniel Edlin  
**Subject:** RE: Physician Call Back

We don't have a free testosterone assay on the Edison...

**From:** Amelia Aguirre  
**Sent:** Tuesday, September 30, 2014 11:31 AM  
**To:** Adam Rosendorff  
**Cc:** Christian Holmes; Daniel Edlin  
**Subject:** RE: Physician Call Back

Hi Adam,

I had to get Tina's help with this information. She said they were run on Edisons. Is that all the information you need? Please let me know.

Thanks,  
Amy

**From:** Adam Rosendorff  
**Sent:** Tuesday, September 30, 2014 10:17 AM  
**To:** Amelia Aguirre  
**Cc:** Christian Holmes; Daniel Edlin  
**Subject:** Re: Physician Call Back

Please check what instruments these were run on.

Thanks-

Sent from my iPhone

On Sep 30, 2014, at 9:47 AM, "Amelia Aguirre" <[aaguirre@theranos.com](mailto:aaguirre@theranos.com)> wrote:

Hi Adam,

Forwarding physician call back request to you. Please see below for details.

Thanks,  
Amy

**From:** Christian Holmes  
**Sent:** Tuesday, September 30, 2014 9:30 AM  
**To:** Amelia Aguirre

**Cc:** Daniel Edlin

**Subject:** RE: Physician Call Back

Yes, please add to the log and forward to adam. Thank you

**From:** Amelia Aguirre

**Sent:** Tuesday, September 30, 2014 9:24 AM

**To:** Christian Holmes

**Cc:** Daniel Edlin

**Subject:** Physician Call Back

Hi Christian,

Medical Assistant, Tiffany at doctor Antonio Sabal's office is requesting a call back to discuss the Free and Total Testosterone results for patient [REDACTED] DOB [REDACTED] from visit 09/09/2014. She said since they were high, they sent the patient to Sonora Quest and the results came back normal.

She wants to have a call back to discuss our reference ranges.

Her call back number is [REDACTED]. Should I forward this to Adam?

Thanks,

Amy