

*Dei' rašumos d. l. puoktas  
83, paskino d. l.:*

**Danutė Kavolienė, UAB VITROLAB**

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**From:** SecondLevel, CLIN LAB [OCDFR] <SecondLevelCL@ocdfr.jnj.com >  
**Sent:** 2015 m. rugpjūtis 19 d. 11:51  
**To:** Zigmas (UAB VITROLAB); SecondLevel, CLIN LAB [OCDFR]  
**Subject:** RE: V5600

Hi Zigmas,

As for most analyzers, both Immunodiagnostic and Chemistry, throughput is very much dependent on the number of samples, the number of assays, the assay mix and how the customer is processing the assays including batch, random access and overall sample handling. All of this is laboratory dependent. Therefore, often times, customers may be referring to effective throughput based upon workflow and productivity rather than pure system throughput. So there is official document about the throughput.

The theoretical throughput by technology is the following (based on the x600 heartbeat: PM 4.75 seconds, CM 9.50 sec, uTip 19.0 sec, uWell 19.0 sec):

- $\mu$ Well: 189 tests/hour => if they run dual-stage assays this drops down a lot. Usually we are around 110-140 tests/hour. The  $\mu$ Well throughput is also affected by the  $\mu$ Tips workload on a V5600.
- $\mu$ Tip: 189 tests/hour => this is if we would run only  $\mu$ Tips on the machine which will never happen. There are no real estimations for the  $\mu$ Tip throughput and the throughput is actually very low for this technology due to the design (small incubator, assays are sensitive to temperature so not all cuvettes can be used,  $\mu$ A metering is busy with  $\mu$ Wells, etc). Normally this is not a problem since  $\mu$ Tip assays have a low volume request.
- CM slides: 379 tests/h
- PM slides: 758 tests/h => you will understand that the real throughput for the  $\mu$ Slide assays will be something between 379 and 758 tests/h

**So for the V5600:**

- The V5600 throughput is over 900 tests/hour. Please note that the V5600 is an integrated machine so it is really complicated to give numbers for each technology.
- $\mu$ Slides: between 379 and 758 tests/h
- $\mu$ Tips: up to 189 tests/hour
- $\mu$ Wells: up to 189 tests/hour

Regards,

Jardel Montagna

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From: Zigmas (UAB VITROLAB) [<mailto:zigmas@vitrolab.lt>]

Sent: Wednesday, August 19, 2015 9:59 AM

To: SecondLevel, CLIN LAB [OCDFR]

Subject: V5600

Dear ALL,

Can you please provide me information: How many test per hour can be performed with V5600? And where I can find this information in the official OCD documents?

Thank you in advance!

With Best Regards,

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service engineer

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