

*Dei nabusas d. l. puoktas
83, piskino dolas:*

Danutė Kavolienė, UAB VITROLAB

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):

- μWell: 189 tests/hour => if they run dual-stage assays this drops down a lot. Usually we are around 110-140 tests/hour. The μWell throughput is also affected by the μTips workload on a V5600.
- μTip: 189 tests/hour => this is if we would run only μTips on the machine which will never happen. There are no real estimations for the μTip 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, μA metering is busy with μWells, etc). Normally this is not a problem since μTip 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 μSlide 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.
- μSlides: between 379 and 758 tests/h
- μTips: up to 189 tests/hour
- μWells: 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,

Zigmas Motuzas
service engineer

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