**P2.062** OPTIMIZATIONS AND QUALITY ASSURANCE OF THE LABORATORY DIAGNOSIS AND TREATMENT OF SEXUALLY TRANSMITTED INFECTIONS IN BELARUS

Methods In this study, 80 urines, collected in DC from patients attending a Milan STD clinic. Urines were tested as per current method and after adding urine to 1ml eNat. To find the urine volume with same sensitivity as urine in DC, 1, 2, and 3ml urine in 1ml eNat were tested. After vortexing the eNat samples, NC was extracted from 350ul with the Automated Purification Systems (NIMBUS IVD) and eluted in 100ul buffer. Purified NCs were tested with the with the Seegene STI7 assay.

**Results** In the 80 urine samples tested, 43 negative and 37 positive were detected with DC, while 1 ml, 2 ml and 3 ml urine in eNat detected 45.40.40 negative or partial negative (1, 2, 3) and 35.40.40 positive (1, 2, 3) respectively. More co-infections were detected with eNat 3 ml. Loss of sensitivity with 1 ml eNat and inhibition with DC versus 3 ml in eNat was detected in 7 samples.

**Conclusions** Good agreement was found between Copan eNat-3 ml urine and urine in DC for the detection of 7 STI with the Seegene assay. Copan eNat, is available in leak proof tube, easy to transport-store urines, prevents bacterial overgrowth, stabilises NC at RT and is compatible with the STI7 assay.

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**P2.063** VALIDATION OF COPAN ENAT, A MOLECULAR TRANSPORT MEDIUM, FOR THE COLLECTION AND PRESERVATION OF URINE SPECIMENS FOR THE DETECTION OF STI INFECTIONS WITH THE SEEGENE ANYPLEX II STI-7 V1.1 ASSAY

Methods In this study, 80 urines, collected in DC from patients attending a Milan STD clinic. Urines were tested as per current method and after adding urine to 1ml eNat. To find the urine volume with same sensitivity as urine in DC, 1, 2, and 3ml urine in 1 ml eNat were tested. After vortexing the eNat samples, NC was extracted from 350ul with the Automated Purification Systems (NIMBUS IVD) and eluted in 100ul buffer. Purified NCs were tested with the with the Seegene STI7 assay.

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**P2.064** COMPARISON OF URINE COLLECTED IN DRY CONTAINER TO URINE COLLECTED, TRANSPORTED AND PRESERVED IN THE COPAN URISWAB FOR THE DETECTION OF STDs WITH THE SEEPLEX STD6 ACE ASSAY

Methods Duplicate urines were collected to-date from 153 patients attending a Milan STD clinic. One urine was collected in dry container (DC) were compared to US for detection of Treponema pallidum (TV), Mycoplasma hominis (MH), Mycoplasma genitalium (MG), and Ureaplasma urealyticum (UU).

**Results** In the 153 urine, DC and US had 90 negative and 52 positive concordant (91.25%) and 9 discordant (9.75%) results; positive included 10 CT, 11 MH, 8 UU, 5 NG and 3 MG. In the discordant, DC had 3 positive missed by US while US had 4 positive missed by DC. No inhibition or TV was detected, the study is-ongoing.

**Conclusions** Good agreement was found between the Copan US and the DC for storing urines for STIs with the Seeplex® STD6 ACE assay (Seegene Inc).