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# Leukorrhea Panel

with reflex to antimicrobial resistance profile

***Chlamydia trachomatis***

- Azithromycin

***Trichomonas vaginalis***

- Metronidazole

***Mycoplasma genitalium***

- Azithromycin
- Fluoroquinolone resistance

Now Available...

***Neisseria gonorrhoeae***

- Ceftriaxone/cefixime
- Treatment failures and isolates with reduced susceptibilities and resistance to extended-spectrum cephalosporin (ESC) ceftriaxone have been reported
- Advanced Sanger sequencing assay examines 28 combinations of genetic markers to determine ceftriaxone and cefixime resistance.

## Advantages:

- Detection by Real-Time PCR and sequencing
- Antimicrobial resistance profile in “Real-Time” by SNP analysis
- **Antimicrobial resistance at no additional cost.**

**For Women:**  
Cervical Collection  
Urine Collection



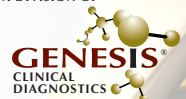
**For Men:**  
Non-invasive Urine Collection



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# MEDICAL DIAGNOSTIC LABORATORIES

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**Final**

**MDL#: 8875032**

## Test Results

<b>Patient Information:</b> SSN: N/A  <b>DOE, JANE</b> 123 MAIN ROAD MARLTON, NJ 08053  Sex: Female Home: (856) 555-5555	<b>DOB:</b> 1/1/1978 (Age:43)	<b>Ordering Physician/Lab:</b> <b>DOE WOMANS GROUP</b> <b>JOHN DOE, MD</b> 555 SMITH STREET ANYTOWN, NJ 55555  Tel: (856) 555-5552 Fax: (856) 555-5553	<b>NPI:</b> 1234567890
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Patient ID: \_\_\_\_\_ Date Received: **8/1/2023** Date Reported: **8/3/2023**

Test	Specimen	Date Collected Comment	Results		Reference/Units/Comments
			Normal	Abnormal	
<b>Chlamydia trachomatis by Real-Time PCR (Reflex to antibiotic resistance by Molecular Analysis)</b> * 105 Verified 8/2/2023 Swab - 1	Vaginal	7/31/2023		Positive	A2058C mutation not detected. Suggestive of macrolide susceptibility.
<b>Trichomonas vaginalis by Real-Time PCR (Reflex to metronidazole resistance)</b> * 111 Verified 8/2/2023 Swab - 1	Vaginal	7/31/2023		Positive	Tvntr6 K80STOP mutation not detected. Cannot determine metronidazole susceptibility or resistance.
<b>Neisseria gonorrhoeae by Real-Time PCR (Reflex to Antibiotic Resistance by Molecular Analysis)</b> * 167 Verified 8/2/2023 Swab - 1	Vaginal	7/31/2023		Positive	****Ceftriaxone/cefixime resistance mutations not detected.
<b>Mycoplasma genitalium by Real-Time PCR (Reflex to Azithromycin and Fluoroquinolone Resistance)</b> * 129 Verified 8/2/2023 Swab - 1	Vaginal	7/31/2023		Positive	A2058G mutation(s) detected. Suggestive of Azithromycin Resistance. parC Fluoroquinolone mutations not detect. Suggestive of Fluoroquinolone susceptibility.

**Swab-1;105:Chlamydia trachomatis by Real-Time PCR (Reflex to antibiotic resistance by Molecular Analysis)**

The A2058C mutation within the 23S rRNA gene has been identified as one mechanism of macrolide resistance (Misyurina OY et al. Anti Microb Agents and Chemother. 2004). A negative result does not rule out the possibility of resistance in all instances.

**Swab-1;111:Trichomonas vaginalis by Real-Time PCR (Reflex to metronidazole resistance)**

The Tvntr6 K80STOP mutation predicts metronidazole resistance with 40% sensitivity and 96% specificity. The presence of the mutation has a positive predictive value (PPV) for metronidazole resistance of 91%. A negative result is inconclusive and does not indicate susceptibility or resistance to metronidazole. This assay was developed by testing 100 well-characterized metronidazole-sensitive and resistant isolates provided by the Centers for Disease Control and Prevention (CDC).

**Swab-1;167:Neisseria gonorrhoeae by Real-Time PCR (Reflex to Antibiotic Resistance by Molecular Analysis)**

\*\*\*\*The specimen was tested for antibiotic resistance to Ceftriaxone and Cefixime. The PenA gene of Neisseria gonorrhoea is analyzed for mosaicism and the following amino acid substitutions: 201->H, 202->A, 203->G, 204->E, Q230->K, A311->V, I312->M, V316->T/P, and A323->S.

View: M

Mail:	Yes	USPS
	None	Yes

Fax:	Yes	Manual
	None	No

Medical Director, Jing-Jing Yang, M.D.

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 8/3/2023  
 PATH Final