

TEST UPDATE
TRICHOMONAS VAGINALIS
BY APTIMA®

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This change will take effect **June 9, 2014**

OVERVIEW AND CLINICAL UTILITY:

PathGroup is pleased to announce the immediate availability of the FDA-approved APTIMA *Trichomonas vaginalis* detection assay by Hologic. *Trichomonas vaginalis* is the most common curable sexually transmitted disease (STD) agent in the United States, with an estimated 7.4 million new cases occurring annually. Infections in women cause vaginitis, urethritis, and cervicitis. Discharge and small hemorrhagic lesions may be present in the genitourinary tract.

Symptomatic women with trichomoniasis usually complain of vaginal discharge, vulvovaginal soreness, and/or irritation. Dysuria is also common. However, it has been estimated that 10 to 50% of *T. vaginalis* infections in women are asymptomatic, and in men the proportion may even be higher. Complications can include premature labor, low-birth-weight offspring, premature rupture of membranes, and post-abortion or post-hysterectomy infection. An association with pelvic inflammatory disease, tubal infertility, and cervical cancer with previous episodes of trichomoniasis has been reported.

Detection of *T. vaginalis* with traditional culture methods is technically challenging and requires up to seven (7) days. The sensitivity of culture has been estimated to range from 38% to 82% when compared to molecular methods due to problems visualizing low numbers of the organisms or the motility of the protozoa. *T. vaginalis* may also be detected using “wet-mount” preparations, however, the wet-mount method is only 35% to 80% sensitive compared with culture.

TEST METHODOLOGY:

Specimen isolation and transcription-mediated amplification (TMA) performed on the Panther automated platform (Hologic).

ORDERING:

TEST	TEST NAME	CPT	REFERENCE RANGE
OTRICH	<i>Trichomonas vaginalis</i> , APTIMA®	87661	Detected
			Not Detected

SPECIMEN COLLECTION AND STORAGE:

ACCEPTABLE:
→ PreservCyt (ThinPrep)-collected endocervical and vaginal specimens
→ APTIMA Unisex Swab Specimen Collection Kit for Endocervical and Male Urethral Swab Specimens
→ APTIMA Vaginal Swab Specimen Collection Kit
→ APTIMA Urine Specimen Collection Kit
Unacceptable Specimen Types or Collection Devices
→ Urine collected with preservatives
→ Specimens collected from patients of less than 14 years of age or for purposes of evaluating suspected sexual abuse

Please refer to the Directory of Service for more information.

TEST PERFORMED: Daily

TURNAROUND TIME: 24-48 hours

For further questions, please contact Client Services at 615-562-9300 or 1-888-474-5227