



Micro-Dx™

Culture-Independent Molecular Diagnosis of Pathogens

- **Unique Automated Pathogen Enrichment and DNA Extraction**
Walk-away SelectNA™*plus* robotic isolation of bacterial and fungal DNA
- **Broad-Range Detection and Identification**
Species from more than 200 bacterial and 65 fungal genera
- **Diversity of Samples**
Whole blood, body fluids, swabs and tissue biopsies
- **Flexibility**
Diagnosis of 1-12 samples per run



Micro-Dx™

Fast and Precise Culture-Independent Diagnosis by Innovative Pathogen Enrichment and Broad-Range PCR and Sequencing

Micro-Dx™ is the first walk-away automation for human DNA removal and selective pathogen DNA extraction (patented MoLYsis™ technology), combined with broad-range PCR-based species identification for daily clinical practice.

Micro-Dx™ allows flexible diagnosis of 1-12 samples. The final identification of pathogens by 16S & 18S broad-range PCR and Sanger sequencing analysis is possible the same day.

Culture-independent broad-range analysis of various sample types offers the possibility of rapid diagnosis of etiologies of sepsis, endocarditis, meningitis, pneumonia, joint infection and other diseases.

Species from more than 200 bacterial and 65 fungal genera can be identified by broad-range analysis. Also, difficult-to-culture organisms have been found, including *Tropheryma whipplei*, *Finegoldia magna*, *Bacteroides fragilis* and *Ureaplasma urealyticum*.

Micro-Dx™ is validated for tissues and body fluids, including

- Blood
- CSF
- Ascites
- Abscesses
- BAL
- Swabs
- Heart valve
- Joint fluid

Micro-Dx™ consumables and reagents are DNA-free



Micro-Dx™ workflow

- Automated pathogen enrichment and DNA extraction on SelectNA™*plus* instrument
- Broad-range 16S & 18S PCR
- Sanger sequencing and BLAST identification

Product	Application	Content	Order No.
Micro-Dx™	Broad-range (fluid, tissue, swab)	24 reactions	U-200-024
		48 reactions	U-200-048
SelectNA™ <i>plus</i>	Instrument for automated pathogen DNA extraction	1 Unit	D-400-001

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