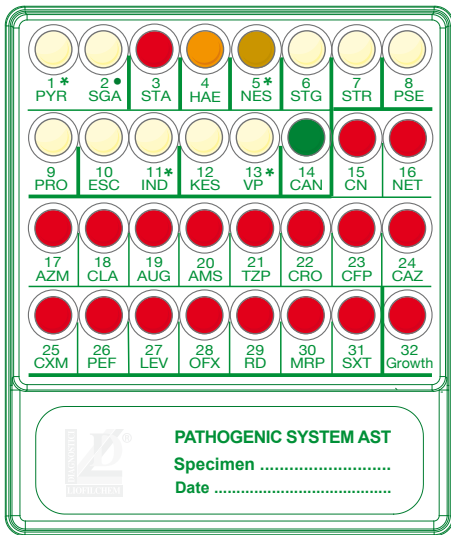


PATHOGENIC SYSTEM AST

Identification and Antimicrobial Susceptibility Testing of the main pathogenic microorganisms directly from Clinical Specimens

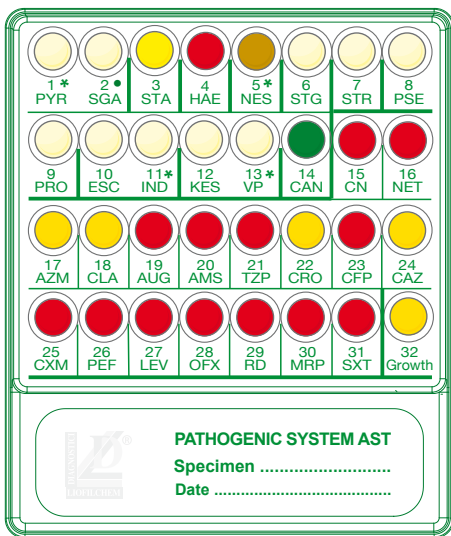


Clinical Specimens

Pharyngeal swab, Cutaneous swab,
 Auricular swab, Ophthalmic swab,
 Expectorate, Exudates and other clinical specimens.

Direct microbial identification

Streptococcus pyogenes (group A), *Staphylococcus aureus*,
Haemophilus spp., *Neisseria* spp., *Escherichia coli*,
Streptococcus agalactiae (group B),
Klebsiella spp., *Enterobacter* spp., *Serratia* spp.,
Proteus spp., *Providencia* spp., *Pseudomonas* spp.,
Enterococcus spp. (group D), *Candida* spp.

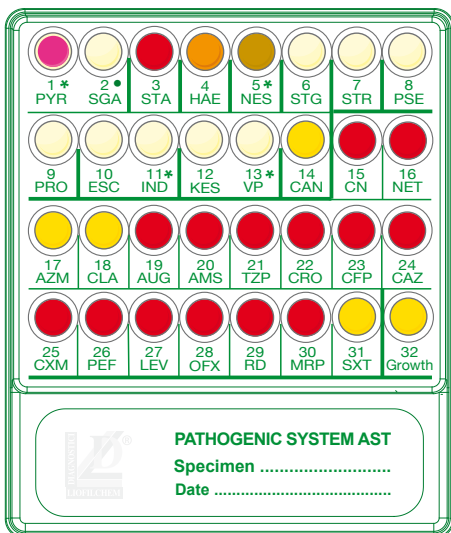


Antimicrobial Susceptibility Testing

Gentamicin, Netilmicin, Azithromycin, Clarithromycin,
 Amoxicillin-Clavulanic Acid, Ampicillin-Sulbactam,
 Piperacillin-Tazobactam, Ceftriaxone, Cefoperazone,
 Ceftazidime, Cefuroxime, Pefloxacin, Levofloxacin,
 Ofloxacin, Rifampicin, Meropenem, Co-trimoxazole.

Benefits

- ✓ Complete diagnosis
- ✓ Save time and labor with direct testing
- ✓ Results in 18-24 hours
- ✓ Confirmation with latex agglutination tests
- ✓ Clear and well defined color changes
- ✓ Easy interpretation



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PATHOGENIC SYSTEM AST

RESULTS

Identification

1* PYR test → **2* confirm by latex test**
Streptococcus pyogenes

3* STA → **3* confirm by latex test**
Staphylococcus aureus

4* HAE → **4* confirm by culture medium**
Haemophilus spp.

5* NES → **5* Oxidase test**
Neisseria spp.

6* STG → **6* confirm by latex test**
Streptococcus agalactiae

7* STR → **7* confirm by latex test**
Enterococcus spp.

8* PSE → **8* confirm by latex test**
Pseudomonas spp.

9* PRO → **9* confirm by latex test**
Proteus spp. Providencia spp.

10* ESC → **10* Positive Indole test**
Escherichia coli

12* KES → **12* confirm by latex test**
13* VP → **13* Positive VP test**
Klebsiella spp. Enterobacter spp. Serratia spp.

14* CAN → **14* confirm at the microscope**
Candida spp.

Antimicrobial Susceptibility Testing

26 PEF → **26 PEF** **Sensitivity**

27 LEV → **27 LEV** **Resistance**

DESCRIPTION	PACKAGING	REF.
PATHOGENIC SYSTEM AST	20 tests	71681
OXIDASE TEST STICK	30 tests	88029
STREPTO A LATEX KIT	50 tests	96154
STREPTO B LATEX KIT	50 tests	96153
STAPH LATEX KIT	50 tests	96017

TEST PROCEDURE



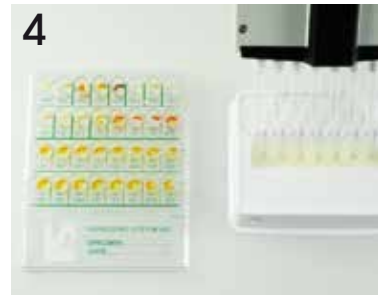
- Dip the clinical specimen into a tube of nutrient broth and incubate at 36±1°C for 2-3 hours.



- Transfer 0.2 mL of culture broth into the vial of Physiological Solution (**Suspension A**).
- Transfer 0.01 mL of culture broth into the vial of Inoculum Broth 2 (**Suspension B**).



- Add a Pyr Disc into the well 1-PYR.
- Add 0.2 mL of the **Suspension A** into each well from 1 to 14. (**Identification**)



- Add 0.2 mL of the **Suspension B** into each well from 15 to 32. (**Antimicrobial Susceptibility Testing**)
- Incubate at 36±1° C for 18-24 h.



- Confirm the presence of:
 -*Streptococcus pyogenes* (group A)
 -*Staphylococcus aureus*
 -*Haemophilus* spp.
 -*Neisseria* spp.
 -*Streptococcus agalactiae* (group B)
 as by Instruction For Use.



- Confirm *Candida* spp. by taking a drop from the positive well 14-CAN and watch for spores at the microscope (400x).
- Note down the test results on the form provided in the kit, or read and interpret by **automatic readers**.