

The background of the slide is a close-up, slightly blurred image of a microtiter plate. The wells contain liquids of various colors: yellow, orange, red, and pink. The text 'THE' and 'ARRA' is visible on the plate's surface. A white diagonal line cuts across the image from the top left towards the bottom right.

Liofilchem

ID-AST systems



**Systems for ID and AST
directly from clinical specimens**

page 1



**Integral Systems for ID and AST
from isolated colonies**

page 4



**Systems for ID
from isolated colonies**

page 6



**Systems for AST
from isolated colonies**

page 8

AF Genital System



Count, Identification and Susceptibility Testing of mycoplasmas and of the main urogenital microorganisms directly from Clinical Specimens

Clinical Specimens

Vaginal swab, urethral swab, rectal swab, seminal fluid

Urogenital mycoplasmas

Count/identification

Ureaplasma urealyticum, *Mycoplasma hominis*

Susceptibility Testing

Tetracycline, Pefloxacin, Ofloxacin, Doxycycline, Erythromycin, Clarithromycin, Minocycline, Josamycin, Clindamycin

Direct Microbial Identification

Escherichia coli, *Proteus* spp, *Providencia* spp, *Pseudomonas* spp, *Gardnerella vaginalis*, *Staphylococcus* spp, *Enterococcus* spp (group D), *Streptococcus agalactiae* (group B), *Neisseria gonorrhoeae*, *Candida* spp, *Trichomonas vaginalis*

BENEFITS

- ✓ Complete diagnosis
- ✓ Save time and labor with direct testing
- ✓ Results in 24-48 hours
- ✓ Confirmation with latex agglutination tests
- ✓ Clear and well defined color changes
- ✓ Easy interpretation
- ✓ Automatic reading available

Packaging		ref.
AF Genital System	20 tests	74156
AF Genital System	4 tests	79156

Mycoplasma System Plus



Count, Identification and Susceptibility Testing of urogenital mycoplasmas and *Candida* spp/*Trichomonas vaginalis* directly from Clinical Specimens

Clinical Specimens

Vaginal swab, urethral swab, rectal swab, seminal fluid

Urogenital Mycoplasmas

Count/identification

Ureaplasma urealyticum, *Mycoplasma hominis*

Susceptibility Testing (double concentration)

Tetracycline, Pefloxacin, Ofloxacin, Doxycycline, Erythromycin, Clarithromycin, Minocycline, Clindamycin, Azithromycin

Direct Microbial Identification (microscopic observation)

Candida spp, *Trichomonas vaginalis*

BENEFITS

- ✓ Complete diagnosis
- ✓ Save time and labor with direct testing
- ✓ Results in 24-48 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation
- ✓ Automatic reading available

Packaging		ref.
Mycoplasma System Plus	20 tests	72592
Mycoplasma System Plus	4 tests	79592

Urin System Chrom



Count, Identification and Antimicrobial Susceptibility Testing of the main pathogenic microorganisms directly from Urine Specimen

Count and Direct Microbial identification

Escherichia coli, *Proteus* spp, *Providencia* spp, *Citrobacter* spp, *Pseudomonas* spp, *Klebsiella* spp, *Enterobacter* spp, *Serratia* spp, *Enterococcus* spp (group D), *Staphylococcus aureus*, *Candida* spp

Antimicrobial Susceptibility Testing

Amikacin, Gentamicin, Tobramycin, Fosfomycin, Piperacillin-tazobactam, Imipenem, Cefixime, Cefuroxime, Cefotaxime, Ceftazidime, Nitrofurantoin, Ampicillin-sulbactam, Tetracycline, Ciprofloxacin, Levofloxacin, Vancomycin, Ofloxacin, Co-trimoxazole

BENEFITS

- ✓ Complete diagnosis
- ✓ Save time and labor with direct testing
- ✓ Results in 18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation
- ✓ Automatic reading available

Packaging		ref.
Urin System Chrom	20 tests	74161
Urin System Chrom	4 tests	79161

Urin System Plus



Count, Identification and Antimicrobial Susceptibility Testing of the main pathogenic microorganisms directly from Urine Specimen

Count and Direct Microbial identification

Escherichia coli, *Proteus* spp, *Providencia* spp, *Citrobacter* spp, *Pseudomonas* spp, *Klebsiella* spp, *Enterobacter* spp, *Serratia* spp, *Enterococcus* spp (group D), *Staphylococcus aureus*, *Candida* spp

Antimicrobial Susceptibility Testing

Amikacin, Gentamicin, Tobramycin, Piperacillin-tazobactam, Fosfomycin, Cefoperazone, Cefotaxime, Ceftazidime, Ampicillin-sulbactam, Tetracycline, Ciprofloxacin, Levofloxacin, Co-trimoxazole, Amoxicillin-clavulanic acid

BENEFITS

- ✓ Complete diagnosis
- ✓ Save time and labor with direct testing
- ✓ Results in 18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation
- ✓ Automatic reading available

Packaging		ref.
Urin System Plus	20 tests	74160
Urin System Plus	4 tests	79160

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

Packaging		ref.
Pathogenic System AST	20 tests	71681
Pathogenic System AST	4 tests	79681

Copro System Plus



Identification of the main pathogenic microorganisms directly from Fecal Specimen

Direct Microbial Identification

• Pathogenic microorganisms:
Salmonella spp, *Shigella* spp, *Escherichia coli* O157, *Proteus* spp, *Providencia* spp, *Yersinia enterocolitica*, *Campylobacter jejunii*, *Pseudomonas* spp, *Candida* spp, *Klebsiella* spp, *Serratia* spp

• Evaluation of intestinal bacterial flora:
Escherichia coli, *Enterobacter* spp

BENEFITS

- ✓ Direct inoculation of fecal specimen
- ✓ Complete diagnosis
- ✓ Easy procedure of use
- ✓ Results in 18-24 hours
- ✓ Confirmation with latex agglutination tests

Packaging		ref.
Copro System Plus	20 tests	71675
Copro System Plus	4 tests	79675

Integral System Staphylococci



Identification and Antimicrobial Susceptibility Testing of Staphylococci from isolated colonies

Staphylococci Identification

Staphylococcus aureus, *Staphylococcus epidermidis*, *Staphylococcus saprophyticus*, *Staphylococcus cohnii*, *Staphylococcus xylosus*, *Staphylococcus haemolyticus*, *Staphylococcus hominis*, *Staphylococcus warneri*, *Staphylococcus capitis*, *Staphylococcus simulans*, *Staphylococcus sciuri*

Antimicrobial Susceptibility Testing

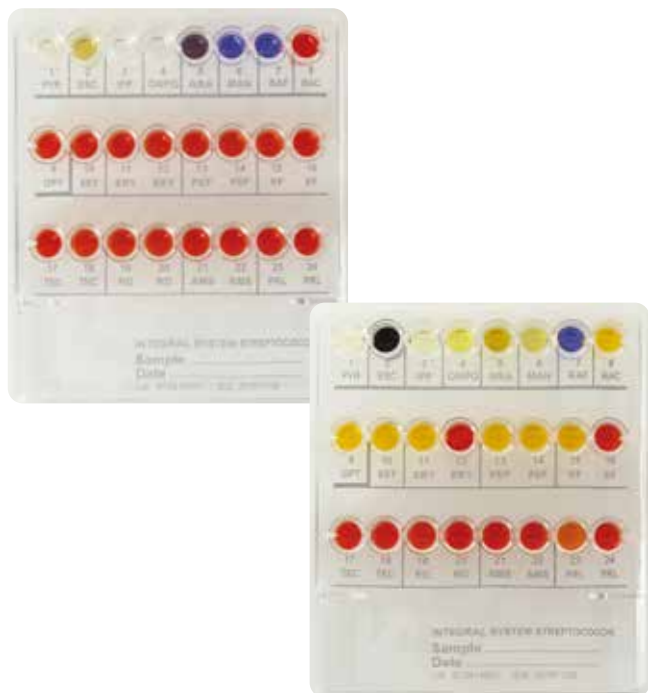
Gentamicin, Tobramycin, Ceftazidime, Amoxicillin-clavulanic acid, Ampicillin-sulbactam, Ciprofloxacin, Cefuroxime, Levofloxacin, Azitromycin, Claritromycin, Erythromycin, Roxitromycin, Fosfomicin, Rifampicin, Co-Trimoxazole

BENEFITS

- ✓ Complete diagnosis
- ✓ Cost effective
- ✓ Results in 24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation
- ✓ Automatic reading available

Packaging		ref.
Integral System Staphylococci	20 tests	71718
Integral System Staphylococci	4 tests	79718

Integral System Streptococci



Identification and Antimicrobial Susceptibility Testing of Streptococci from isolated colonies

Streptococci Identification

Streptococcus pyogenes, *Streptococcus agalactiae*, *Enterococcus faecalis*, *Enterococcus faecium*, *Streptococcus durans*, *Streptococcus mutans*, *Streptococcus uberis*, *Streptococcus sanguis I*, *Streptococcus salivarius*, *Streptococcus MG intermedius*, *Streptococcus sanguis II*, *Streptococcus mitis*, *Streptococcus anginosus constellatus*, *Streptococcus morbillorum*, *Streptococcus pneumoniae*, *Streptococcus acidominimus*

Antimicrobial Susceptibility Testing (two concentration per antibiotic)

Co-trimoxazole, Erythromycin, Pefloxacin, Cephalothin, Teicoplanin, Rifampicin, Ampicillin-sulbactam, Piperacillin

BENEFITS

- ✓ Complete diagnosis
- ✓ Cost effective
- ✓ Results in 24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation
- ✓ Automatic reading available

Packaging		ref.
Integral System Streptococci	20 tests	71720
Integral System Streptococci	4 tests	79720

Enterosystem 18R



Biochemical Identification of Gram-negative, oxidase-negative Enterobacteria

Microrganism Identification

Escherichia spp,
Enterobacter spp,
Klebsiella spp,
Proteus spp,
Salmonella spp,
Citrobacter spp,
Arizona spp,
Yersinia spp,
Serratia spp

BENEFITS

- ✓ Complete identification
- ✓ Cost effective
- ✓ Results in 12-18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation
- ✓ Automatic reading available

Packaging		ref.
Enterosystem 18R	20 tests	71618
Enterosystem 18R	4 tests	79618

Listeria System 18R



Biochemical Identification of *Listeria* spp

Microrganism Identification

Listeria monocytogenes,
Listeria innocua,
Listeria ivanovii,
Listeria seeligeri,
Listeria welshimeri,
Listeria grayi sub. *grayi*,
Listeria grayi sub. *murrayi*,
Jonesia denitrificans

BENEFITS

- ✓ Complete identification
- ✓ Cost effective
- ✓ Results in 18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation

Packaging		ref.
Listeria System 18R	20 tests	71640
Listeria System 18R	4 tests	79640

Staph System 18R



Biochemical Identification of Staphylococci

Microrganism Identification

Staphylococcus aureus, *Staphylococcus epidermidis*,
Staphylococcus capitis, *Staphylococcus capae*,
Staphylococcus warneri,
Staphylococcus haemolyticus,
Staphylococcus hominis, *Staphylococcus auricularis*,
Staphylococcus saprophyticus,
Staphylococcus chonii var. *human*,
Staphylococcus chonii var. *primate*,
Staphylococcus xylosus, *Staphylococcus simulans*,
Staphylococcus carnosus,
Staphylococcus intermedius,
Staphylococcus hyicus var. *hyicus*,
Staphylococcus hyicus var. *chromogenes*,
Staphylococcus sciuri, *Staphylococcus lentus*,
Staphylococcus gallinarum

BENEFITS

- ✓ Complete identification
- ✓ Cost effective
- ✓ Results in 18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation

Packaging		ref.
Staph System 18R	20 tests	71630
Staph System 18R	4 tests	79630

Strepto System 12R



Biochemical Identification of Streptococci

Microrganism Identification

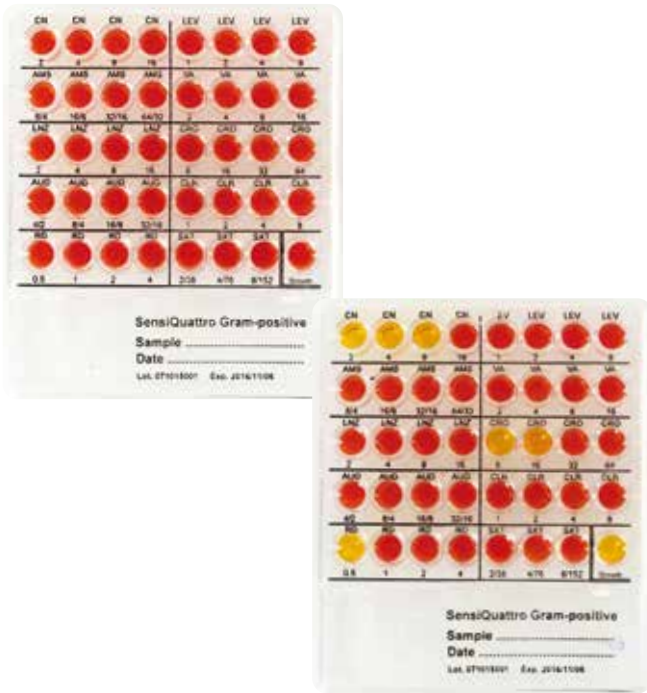
Streptococcus pyogenes, *Streptococcus agalactiae*,
Streptococcus epidermidis,
Streptococcus dysgalactiae, *Streptococcus equi*,
Enterococcus faecalis, *Enterococcus faecium*,
Enterococcus casseliflavus, *Enterococcus avium*,
Streptococcus durans, *Streptococcus bovis* I,
Streptococcus bovis II, *Streptococcus equinus*,
Streptococcus milleri I, *Streptococcus milleri* II,
Streptococcus sanguis I, *Streptococcus sanguis* II,
Streptococcus salivarius, *Streptococcus mitis*,
Streptococcus viridans, *Streptococcus pneumoniae*,
Streptococcus mutans, *Streptococcus lactis*,
Streptococcus suis I, *Streptococcus suis* II,
Streptococcus uberis, *Streptococcus acidominimus*

BENEFITS

- ✓ Complete identification
- ✓ Cost effective
- ✓ Results in 18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation

Packaging		ref.
Strepto System 12R	40 tests	72560
Strepto System 12R	8 tests	79560

SensiQuattro Gram-positive



System for Antimicrobial Susceptibility Testing of Gram-positive bacteria

Antimicrobial Susceptibility Testing (four concentrations per antibiotic)

Gentamicin, Levofloxacin, Ampicillin-sulbactam, Vancomycin, Linezolid, Ceftriaxone, Amoxicillin-clavulanic acid, Clarithromycin, Rifampicin, Co-trimoxazole

Packaging		ref.
SensiQuattro Gram-positive	20 tests	76032
SensiQuattro Gram-positive	4 tests	79032

BENEFITS

- ✓ Cost effective
- ✓ Results in 18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation
- ✓ Automatic reading available

SensiQuattro Gram-negative



System for Antimicrobial Susceptibility Testing of Gram-negative bacteria

Antimicrobial Susceptibility Testing (four concentrations per antibiotic)

Gentamicin, Amikacin, Tobramycin, Piperacillin-tazobactam, Fosfomycin, Ampicillin-sulbactam, Ciprofloxacin, Levofloxacin, Cefuroxime, Co-trimoxazole

Packaging		ref.
SensiQuattro Gram-negative	20 tests	76031
SensiQuattro Gram-negative	4 tests	79031

BENEFITS

- ✓ Cost effective
- ✓ Results in 18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation
- ✓ Automatic reading available

