

# UTI-SET *System*



## NEW CONCEPT OF URINE SPECIMEN PROCESSING

Novamed proprietary and unique UTI-SET System for the collection, transport, processing and testing of urine in the clinical laboratory

Universal Urine Specimen Container and ChromoStreak® Urine Culture Device are used together.

Each of these products is revolutionary and completely changes the old concept of urine examination

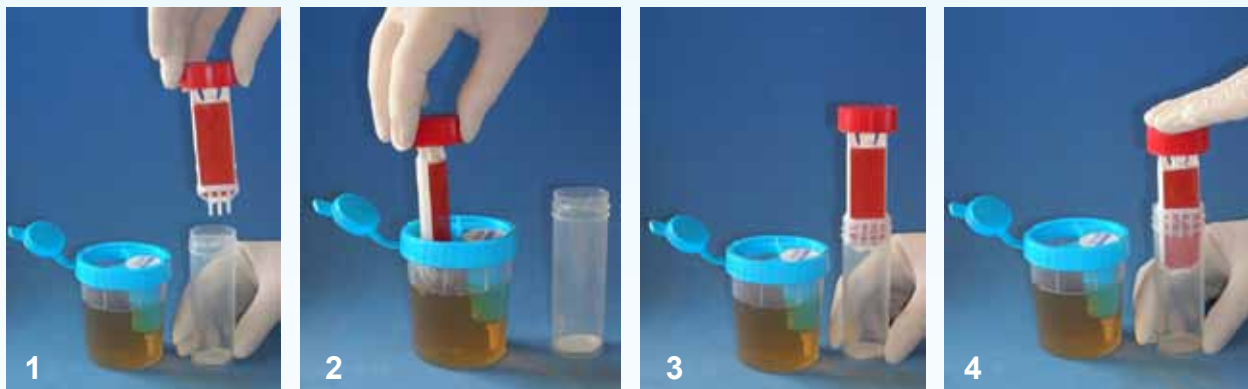
# UTI-SET System

## ChromoStreak®

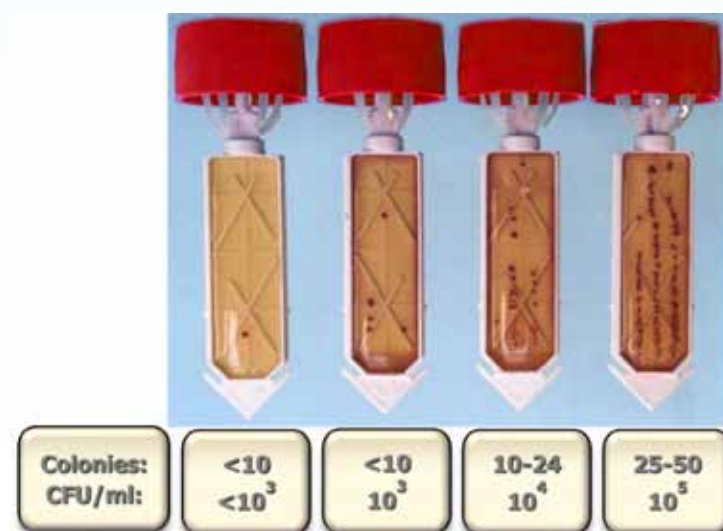
### Isolation and Counting of urinary tract pathogens

- No false-positive results!
- Dipslide convenience with plating accuracy
- Discrete colors - direct identification of pathogens
- Minimal sample required - The best solution for urine sample collection from infants and children
- Isolate individual colonies
- Rapid detection of mixed cultures
- Simple, clean and rapid protocol
- Easy patient self-testing

### Inoculation



### Bacterial count



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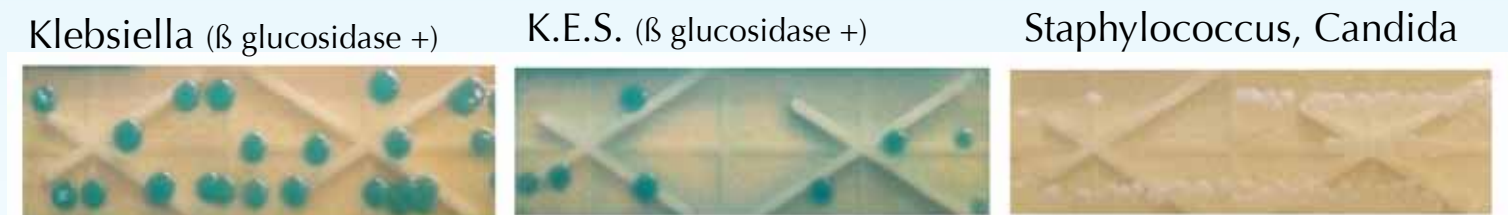
## ChromoStreak®

### Direct identification: Escherichia coli, Enterococci and Proteus

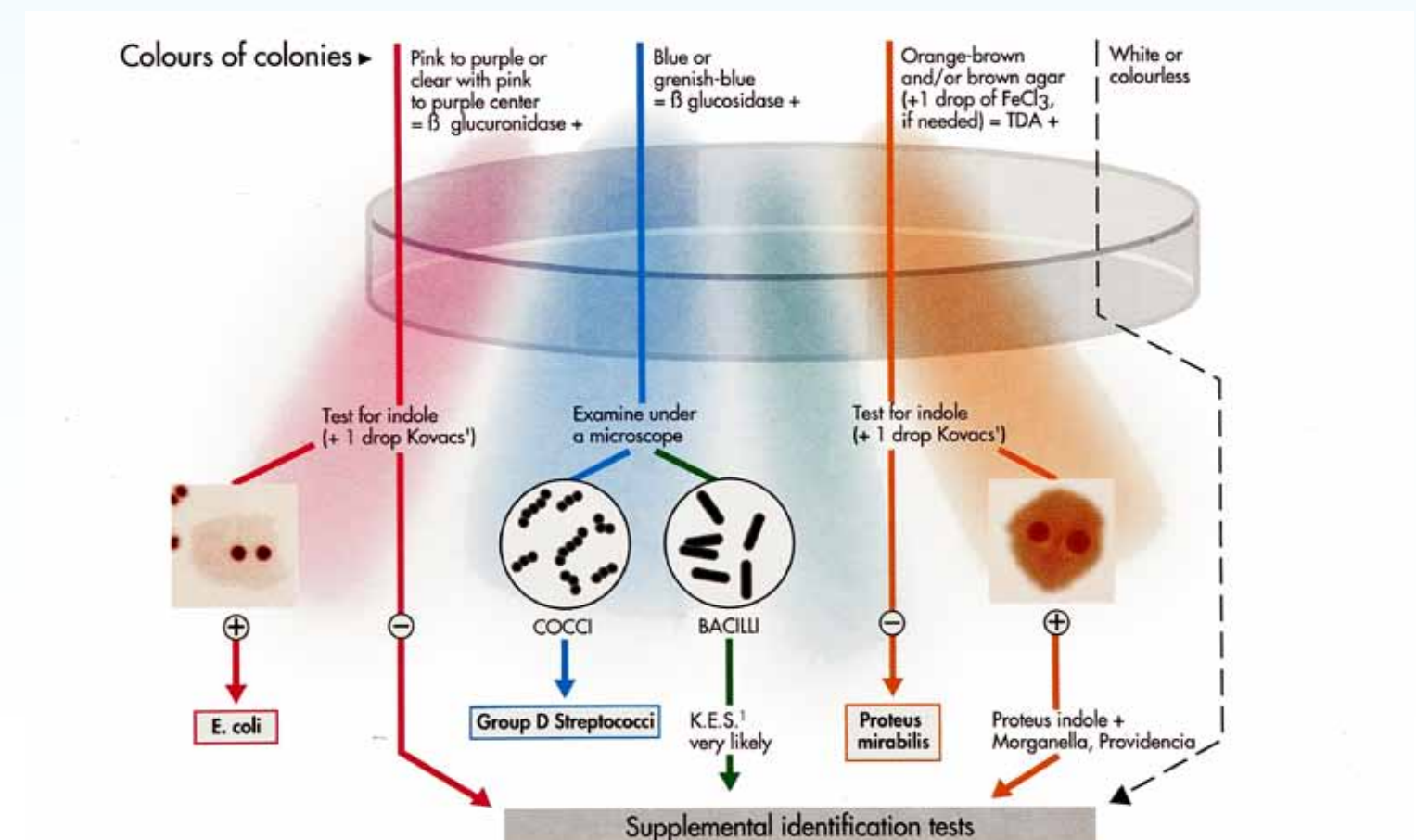
### Identification



### Orientation



### Interpretation ( UriSelect3, Bio-Rad)



<sup>1</sup> - K.E.S. : Klebsiella, Enterobacter, Serratia

# UTI-SET System

## NEW CONCEPT OF URINE SPECIMEN PROCESSING

- **Change of concept of urine examination.** The sampling takes place at the patient site or sample's collection side! Novamed Universal Urine Specimen Container (UUSC) is a clear plastic urine collection cup with a capacity of up to 120 ml of urine, closed with a screw cap containing two sampling ports which include: (1) a luer adapter with a needle, to be used with an evacuated urine tube for sediment microscopy and chemical analysis and (2) a bacteriological sampling port, to be used with a bacteriological loop or ChromoStreak® UCD. The principal improved feature of UUSC is a unique bacteriological sampling port with a user-friendly "flip-cap" placed on the main screw cap, allowing safe and easy access for bacteriological sampling. **UUSC can be discarded at the collection site immediately after performing the following two steps which comprise all you need for complete urine analysis.**
- **Novamed ChromoStreak® UCD** are a new, patented urine culture devices that combine dipslide technology and a unique streaking inoculation mechanism, allowing the semi-automated inoculation of urine specimen by unskilled personnel at the collection site. By using ChromoStreak® UCD the urine sample is inoculated onto the agar surface immediately at the collection site and by that prevents false-positive results associating with bacterial overgrowth. **An easy bacterial counting by only comparison with attached colony density chart, excellent colony isolation and direct or presumptive identification of the species make it a perfect alternative to the conventional culture method for routine laboratory use.**
- **Truthful of results.** Reduced transport time prevents bacterial overgrowth and reduces unwanted false-positive results!
- **Logistics' benefit.** Inoculated ChromoStreak® UCD can be incubated overnight at the collection site before their transfer to the laboratory, thereby negative results can be obtained next day morning and their transfer to the laboratory is eliminated. **Thus the laboratory can receive only positive specimens which account to less than 50% from all urine specimens.**
- **Rapid Urine Tract Infection diagnosis.** Because of the unique streaking inoculation mechanism of ChromoStreak® UCD, bacteria growth in several discrete lines with isolated colonies even from highly contaminated samples that are as high as 10<sup>7</sup> CFU per ml. This unique structure allows to detect rapidly the mixed cultures and to shorten the final identification procedures and susceptibility testing of the isolated pathogens. **ChromoStreak® UCD is FDA approved.**
- **Direct pathogen identification.** The use of chromogenic media increases the advantages of ChromoStreak® UCD, allowing for rapid colour based direct or presumptive identification of common bacteria straight away after overnight incubation. Thus, chromogenic media saves more time, reagents and labour on routine bacteriological ID tests and procedures. **The results obtained on the primary slide are enough for physician to appoint the preliminary therapy and to increase the chance of patient recovery with all logistic consequences.**
- **Reduce overall expenses.** The New UTI-SET System Processing Protocol is more economical in mass using because of reducing of total expenses of urine examination (time for urine specimen transporting, reagents, labour and unnecessary use of antibiotics).
- **Simplify and easy-to-use.** The sampling procedure by all components of UTI-SET System is semiautomatic and could easily and correctly carry out by unskilled personnel or patient himself (!) and safely conveyed to the laboratory.
- **Safety.** All components of UTI-SET System are the closed systems limiting direct contact of personnel with sample during handling and inoculation procedure and prevent the spreading of nosocomial bacteria in the hospital or community area. **Whether it is in a laboratory, on the ward or in a doctor's surgery, the Novamed UTI-SET System is a hygienic multi-talent for use in various fields.**