

● **Swab Set**, tube with liquid specific enrichment media and agitation metal bar

● **Swab Bact** with selected Agar media

● Device for the swab

The Robobact line dedicated to the isolation of the pathogenic microorganisms coming from pharyngeal, rectal and vaginal Swabs is constituted by the Swab Set (dedicated device for the collection and specific selective enrichment phase) and by the correspondent Swab Bact for the streaking and growth upon selective agar-media.

EXECUTION OF THE SWABCULTURE

The collection of the swab occurs in the pre-selected anatomical part (pharynx, vagina, rectum, etc. or from biological materials) through the proper equipped sterile loop. The upper side has a white stopper which acts also as a grip in order to extract the swab and to place it in its container after collection. The lower side of the container shows a protection which must be removed after extracting the yellow stopper from the Swab test-tube containing the enrichment medium. This operation allows the operator to place the swab-container above the opening of the Swab test-tube set and to fold, thanks to a facilitated point of bending, the container itself. This operation leads to the breach of the extremity of the collection swab that, because of gravity, will fall inside the Swab Set that will be immediately closed with the yellow stopper. From this moment the collected sample with the swab will be inside a liquid that will carry out also the transport media function. The inoculated Swab test-tube is then inserted, on the basis of pre-selected agar-media, in the proper lodging of the correspondent Swab-Bact and placed in the Robobact module for being processed. The module, reading the bar code label on the Swab Bact device, starts the specific cycle of enrichment, breach of the test-tube and streaking of the selected temperature and for the duration of the total incubation set out. At the end of the process the operator extracts the device from the module and executes the visual reading of the final result of the bacterial increase.

READING

the final reading of the result is carried out opening the module and extracting from the specific position the device that is read observing the presence of the bacterial colonies.

STAPHYLOCOCCUS AUREUS



COLUMBIA AGAR SANGUE

Robobact

description	pack.	code	description	pack.	code
● INSTRUMENTS AND ACCESSORIES					
ROBOBACT (2nd Generation)	1	94200	COPROBACT VIBRIO CHOLERAЕ	40 pcs	94040
ROBOBACT SPECIAL	1	94210	COPROSET COLI - STAPHILOCOCCUS	120 pcs	94056
TROLLEY	1	94220	COPROBACT COLI - STAPHILOCOCCUS	40 pcs	94038
TROLLEY-GEN	1	94222	COPROSET YERSINIA - AEROMONAS	120 pcs	94054
PROCESSING UNIT	1	94224	COPROBACT YERSINIA - AEROMONAS	40 pcs	94034
SERIAL ADAPTOR	1	94230	COPROSET CAMPYLOBACTER	120 pcs	94057
ROBOBACT TRAY	1	94005	COPROSET CAMPYLOBACTER	40 pcs	94063
DESK ADAPTOR	1	94232	COPROBACT CAMPYLOBACTER	40 pcs	94036
SPONGES FOR ROBOBACT SPECIAL	12 pcs	94240	COPROSET E.COLI 0157:H7	120 pcs	94059
CO2 BOTTLE SUPPORT	1	94244	COPROBACT-CHROM E. COLI 0157:H7	40 pcs.	94060
SLIDE TRAY	120 pcs	94250	COPROBACT-CHROM SELECTIVE E. COLI 0157:H7	40 pcs.	94061
● URINECULTURE					
URISSET	120 pcs	94022	● GENERAL USE		
URISSET BULK	120 pcs	94028	SWAB SET GENERAL USE	60 pcs	94320
URISSET TUBE	120 pcs	94023	SWAB BACT GENERAL USE	40 pcs	94330
URISSET PRESERVATIVE TUBE	120 pcs	94024	● RECTAL SWABS		
URISSET PRESERVATIVE TUBE WITH HOLDER	120 pcs	94026	SWAB SET SALMONELLA	60 pcs	94150
URI-COLLECT	120 pcs	94027	SWAB SET SHIGELLA	60 pcs	94152
URI-HOLDER	120 pcs	94025	COPROBACT SWAB SALMONELLA-SHIGELLA	40 pcs	94130
URIBACT	40 pcs	94411	COPROBACT SWAB-CHROM SALMONELLA	40 pcs	94132
URIBACT SELECTIVE MC CONKEY/COLUMBIA CNA	40 pcs	94410	COPROBACT SWAB-CHROM SALMONELLA SHIGELLA	40 pcs	94162
URIBACT CHROM	40 pcs	94412	SWAB SET YERSINIA AEROMONAS	60 pcs	94154
URIBACT-CHROM SELECTIVE SABOURAUD	40 pcs.	94415	COPROBACT SWAB YERSINIA AEROMONAS	40 pcs	94134
URIBACT-CHROM CLED	41 pcs	94416	SWAB SET CANDIDA	60 pcs	94155
URIBACT-CHROM CNA	40 pcs	94417	COPROBACT SWAB-CHROM CANDIDA	40 pcs	94164
URIBACT-CHROM CNA PEDIATRIC	40 pcs	94429	● THROAT SWAB		
URIBACT-CHROM COLUMBIA BLOOD	40 pcs	94419	SWAB SET AUREUS	60 pcs	94170
URI A.R. TEST	120 pcs	94014	SWAB-CHROM BACT AUREUS	40 pcs.	94180
● URINECULTURE IDENTISYSTEM					
URISSET I.S.	120 pcs	94022/IS	SWAB SET STR. PYOGENES	60 pcs.	94172
● COPRO CULTURE					
COPROSET SALMONELLA	120 pcs	94050	SWAB BACT STR. PYOGENES	40 pcs.	94182
COPROSET SHIGELLA	120 pcs	94052	● VAGINAL SWABS		
COPROBACT SALMONELLA - SHIGELLA	40 pcs	94030	SWAB SET CANDIDA-TOTAL COUNT	60 pcs	94310
COPROBACT SALMONELLA - SHIGELLA 3	40 pcs	94035	SWAB BACT CANDIDA-TOTAL COUNT	40 pcs.	94360
COPROBACT-CHROM SALMONELLA	40 pcs	94032	SWAB SET GARDNERELLA-LACTOBACILLUS	60 pcs	94311
COPROSET VIBRIO CHOLERAЕ	120 pcs	94058	SWAB BACT GARDNERELLA-LACTOBACILLUS	40 pcs.	94361
			SWAB SET STR. AGALACTIAE	60 pcs	94312
			SWAB BACT STR. AGALACTIAE	40 pcs.	94362
			SWAB SET GRAM-TOTAL COUNT	60 pcs.	94313
			SWAB BACT GRAM-TOTAL COUNT	40 pcs.	94363



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Robobact
system

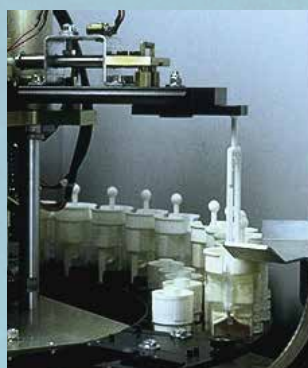




Robobact SYSTEM

The **ROBOBACT** SYSTEM is a highly automated system with dedicated devices, processing biological samples like urines, stools and swabs to the aim of a correct isolation and to determine the total charge of the microorganisms.

The bacterial isolation occurs without opening the sample containers guaranteeing therefore the maximum safety for the operators and the complete standardization of the sample streaking. The easiness of use and the turnaround time add further advantages to the system.



The **ROBOBACT** SYSTEM is constituted of:

- Incubators with 35 positions (random access). Every module executes (for each sample): sample identification by means of a bar code label. identification of the type of device and analysis (urines, stools and swabs).
 - Sample enrichment under differentiated agitation, specific for each sample (stools and swabs).
- Breaking of the sample container (urines, stools and swabs). monitoring of the programmed temperature for the incubation. Simultaneous streaking by double calibrated loop on the two agar media.
- Set: containers for collection, transportation of samples (with enrichment broth for stools and swabs).

Bact: devices containing a slide with two agar media and double calibrated loop for streaking and isolation of the colonies and special slot into which to introduce the Set.



URISSET,

Vacuum tube for sampling urine collected from different types of containers.

URIBACT,

Systems for the culture, isolation and count of pathogenic organisms in urine.

URI A.R. TEST,

tube test for the detections of residual antibacterial activity in urine

HOLDER,

system for sampling urine. To be used with URISSET.

EXECUTION OF THE URINECULTURE

The urine collection is made by placing the cannula of the holder perpendicular to the inner side of the containers holding urine and inserting the Uriset test-tube in the cylindrical guide exercising a light pressure on it. The vacuum present in the test-tube collects the adequate volume of sample and, after filling up, the tube is extracted and loaded into its lodging inside the Uri bact device.



For the execution of the Par test, if requested, the appropriate test-tube is placed in its specific container lodging, containing the spores of *Bacillus subtilis* (freeze-dried) and the growth indicator. Each Uri bact is placed in whichever position of the Robobact module and is ready for being processed.

Reading the Uri bact bar code, the module recognizes the inserted device as dedicated to the urine culture and



<10.000CFU/ml



>100.000CFU/ml



>1.000.000CFU/ml

arranges, through exercised mechanical pressure on the Uriset test-tube, for the breach of the bottom of the test-tube itself. The urine sample flows down, through a communication channel, in the next chamber where the agar media are placed. By means of a mechanical clamp the instrument moves the calibrated loops and executes the streaking according to a predetermined movement.

READING

the Uri bact is incubated for the necessary time and examined (at the end of its cycle of incubation) for the verification of the eventual bacterial increase. Such examination is executed opening the module and extracting from the specific position the device that is read observing the presence of the bacterial colonies.

1 colony = 1.000 CFU / mL.

10 colonies = 10.000 CFU / mL.

100 colonies = 100.000 CFU / mL.

1000 colonies = 1.000.000 CFU / mL.

COPROSET,

container for collection and transport of stools. If contains, according to the kind of isolation to be effected, a specific liquid enrichment medium, the drawing and agitation system for the enrichment phase.

COPROBACT,

container with two selected culture media

Lodging for COPROSET

Drawing system



EXECUTION OF THE COPROCOLTURE

The collection of stools occurs through the appropriate collecting closed system: Coproset. A little quantity of sample is enough to inoculate the enrichment broth. After the closure of the Coproset this one is placed in the specific lodging of the Coprobact. The Coprobact is then inserted on whichever position of the Robobact module or in the Special Robobact module if the Coprobact is dedicated to the isolation of the *Campylobacter*. The module, reading the barcode of the Coprobact, recognizes the inserted device as dedicated to the Coprocolture and arranges for each sample, upon the basis of the specific microbiological research (research of salmonella, shigella, campylobacter etc.), for the correct enrichment phase through continuous agitation by means of a metal bar in the Coproset. At the end of the enrichment phase, the streaking will be performed, after the breach of the bottom of the Coproset and the flow of the sample through a communication channel, in the part of the Coprobact where the agar-media are present. The streaked Coprobact is therefore incubated for the necessary time and examined (at the end of its cycle of incubation) about the eventual bacterial increase.

READING

The final reading of the result is executed opening the module and extracting from the specific position the device that is read observing the presence of the bacterial colonies.

