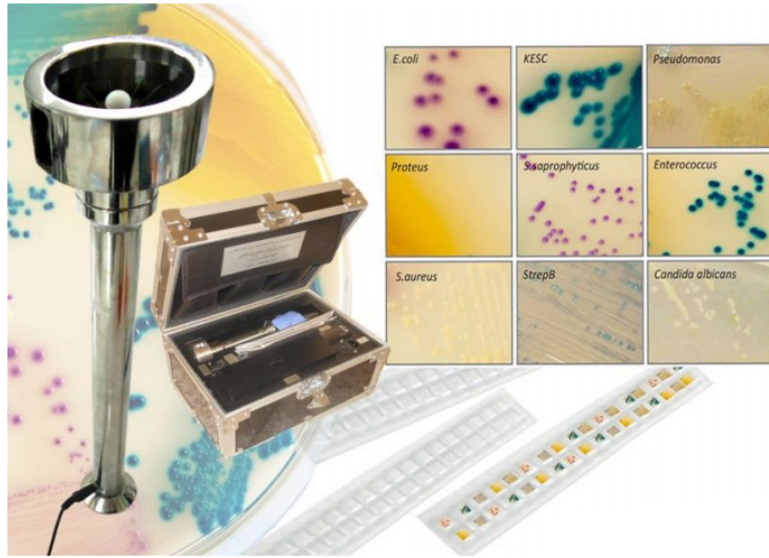




DESCRIPTION

Sampler and identifier of biological agents in the air using the culture method is a complete set intended for identification of bacterial pathogens suspended in the air. This system operates on the principle of using the culture method as the gold standard for identification of pathogenic bacteria. This system captures the contaminated air directly on a culture and prepares a suitable medium for pathogenic bacteria to grow on. The culture is then moved to an incubator at 37 °C. After a sufficient period of time, the presence of pathogenic bacteria can be detected. Bacteria on the culture medium are distinguishable based on the color of the colonies. A variety of species including E. coli ,Klebsiella ,Proteus , Pseudomonas ,Acinetobacter ,Stenotrophomonas ,Enterococcus ,S.aureus ,S. epidermidis ,S.saprophyticus ,Strep B, Salmonella, Listeria, Candida, Vibrio, Yersinia, and Candida albicans develop colonies with different colors on the surface of the medium used. This set is packed in a shock-proof and is easily portable by individuals.



TECHNICAL FEATURES

Portable Sampler and identifier of Sampler	Culturing pathogenic bacteria and yeast Biological agents Capturing air on the culture medium
Incubator (37 °C)	8 * 8 * 25 cm
Culture medium	Culture wells
Size	40 cm * 30 cm * 18 cm
Net weight	10Kg
Power supply	Household electricity, internal rechargeable battery
Number of detectable Agents	9 agents - extendable to identify more agents