

ABSTRACT

The designed device shall be named CYTO-TRANSPORTER. It will address the inconveniences associated with the conventional method of preparing and transporting a PAP Smear for reporting.

The device carries a microscope slide ready for application of the cervical smear taken by the doctor or nurse. The slide with the applied smear is then inserted into a drawer that is surrounded by a jacket containing the fixative. The slide is advanced inwards until the end perforates a film that separates the drawer from the fixative in the outer jacket. The slide holder has a gasket ring that fits tightly within the drawer. When the slide is advanced inwards the gasket creates a positive pressure that forces the fixative to enter the drawer compartment and fix the cells. During transport of the device, the tight gasket prevents leakage or evaporation of the alcohol and the slide from coming into contact with the sides of the drawer.



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