

➔ **Lab+Guard** Positive Pressure System

LG 300

CONCEPT

The LAB+GUARD is developed to improve the laboratory air quality making it nearly equal to clean air. Thus replenishing and subsequently nourishing the entire laboratory, making it safe for the sensitive procedures to be executed. This is achieved by a number of inclusions and their applications all of which are simple, cost effective and user friendly.

The positive pressure system uses the basic principle of "Over Pressure or positive pressure in a room which restricts the entry of outside air". This is achieved by absorbing the circulating air outside the IVF Lab (room) and then subsequently passing the same with positive pressure through of 4 stage filters which reduces the CFU count, eliminates the SPM, VOCs and CACs thus making it quite IVF friendly. Thus ultimately the effective circulating air in the IVF lab reaches near to a clean air status.

CHANGE FILTERS AS PER USAGE

The LAB+GUARD also houses a unique automatic indication system whereby the user is informed when to change the filters, and not "every quarterly". This feature not only gives tremendous relief to the user for tracking the stipulated time of change but also saves lot of money.

DESIGN

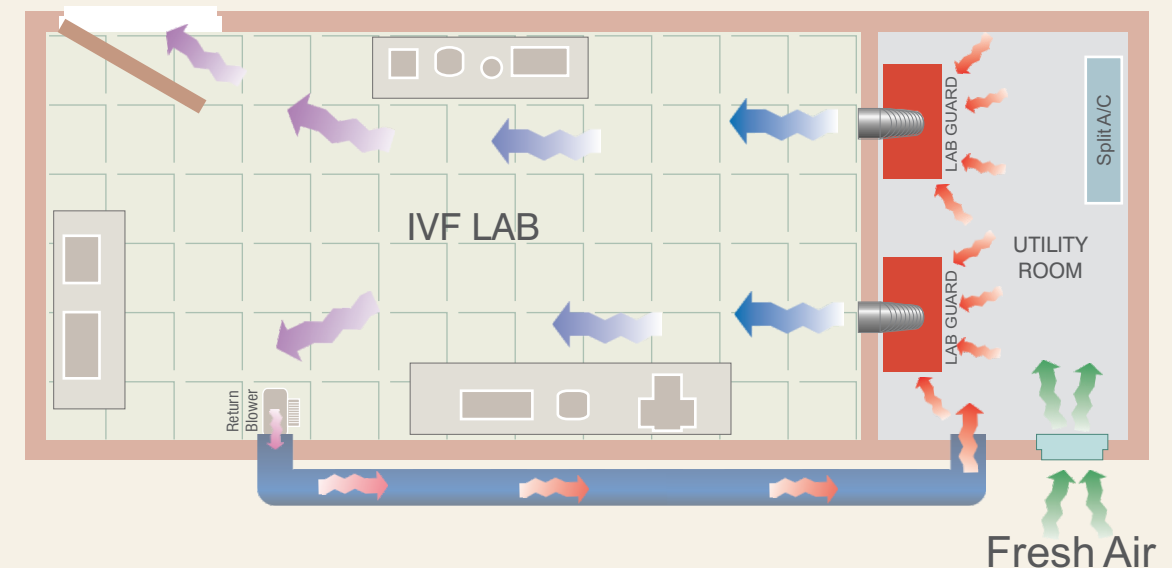
The LAB+GUARD has been designed with State of the Art technology using 4 stage filtration system. The unique filter combination filters out air and gas contaminant thus by giving most suitable air for gametes and embryos. LAB+GUARD system contains a unique 4 stage filtration system containing Prefilter, Hepa Filter and unique blend of activated carbon and alumina, which ensures wide variety of Gases, particular contaminants are oxidized or are absorbed. The LAB+GUARD has been designed to reduce the microbial air flora to the minimum level.

REDUCES CFU, REDUCES VOC

The unique design and the concept of LAB+GUARD positive pressure system not only reduces VOC content in the air but also the CFU count in the IVF Lab. The LAB+GUARD not only protects embryos and gammas but also protects embryologists who is the most affected otherwise.



PRESSURISING MODEL LG 300 p



OPERATING SECURITY

Every care has been taken in designing to make sure that air absorbed is thoroughly cleaned for contaminants and to reduce bacterial count in IVF Lab. The LAB+GUARD design also facilitates introduction of fresh air into the air circuit which gives maximum safety from Carbon dioxide released into the IVF Lab by CO₂ Incubators and also it protects embryologists from gas mixtures released on work stations.

MAINTENANCE

The LAB+GUARD has automatic indication for Filter change and its design facilitate extremely easy replacement of filters even by non technical staff. Other than filter change it is virtually maintenance free.

LAB GUARD INDOOR MODEL LG 300i

The Lab Guard indoor model is specifically design for IVF labs to capture VOC's and chemical pollutants. It is ideal for the IVF labs where installation of positive pressure model is not suitable. It is compact in size and has gentle and quite airflow. Filters are easy to replace and has 4 stage filtration with HEPA filters. More over it comes with unique automatic indicator's for changing the filters.



INDOOR MODEL LG 300i