All Vacuum systems must consist of two flasks - one for the collection of aspirated materials the other to trap any residual material. Secondary containment is required for flasks outside of the BSC to contain spills if the flasks are accidentally knocked over.

Rubber stoppers in flasks must be in good condition to ensure a tight seal to prevent leakage.

Hose/tubing connecting the flasks should be continuous, not pieces patched together.

High Efficiency Particulate Air (HEPA) filters are required to be installed on vacuum systems. This is to prevent potentially contaminated material from being drawn into the central vacuum supply.

To avoid generating aerosols, glass tube in collection flask must be below the vacuum neck but above the collected material.

Info on HEPA filters for vacuum lines