

CHEMOTHERAPY

USP STANDARD 800 IS APPLIED TO CHEMOTHERAPY

Chemotherapy compounding typically involves volatile compounds that are extremely hazardous and are not stopped by HEPA filters or rendered harmless by ultraviolet (UV) light from the sun after being exhausted outdoors. In such cases, only a class 2 type B2 biological safety cabinet should be used. These are 100% exhausted from the outdoors and often require 2.5 in. of water (625 Pa) or more of static pressure at the duct connection to the cabinet.

Strong consideration should be given to routing the exhaust through a carbon adsorber to collect volatile material before it is discharged outdoors. Multiple test canisters are recommended for periodic testing of the adsorber life, because pressure drops cannot be used to determine adsorber capacity as on a standard filter. Exhaust from a hazardous drug storage room should also be connected to the carbon adsorber. Consider acoustics when sizing the duct branch to the hazardous drug storage room off the main branch that also serves Class 2 type B2 hood, because of static pressures.



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