

GLOVE BOX VS CLEANROOM



SPACE

Can be installed in small facilities

Requires large spaces

CLASS A

OPTIMAL
Easy validation procedure

CLASS B

Needs a Biohazard Safety Cabinet for Class A operations
Complex validation procedure

Easier Compliance



GMP



More difficult Compliance

Automatic sterilization with top class protocol using VPHP cycle

STERILIZATION

Needs daily and weekly sanitization by specialized personnel



EASE OF USE

No sterile gowning
Time savings for operators

Sterile gowning for operators
Time consuming - more stress



COSTS

Average running cost of a glove box





While yearly validation costs and building costs are comparable, **average running cost** of a glove box is one third of a small size clean room



Average running cost of a small cleanroom



GLOVE BOX VS CLEANROOM

4%	 STERILIZATION, SANITIZATION, HEPA	14%
4%	 GOWNING AND GLOVES	10%
15%	 VALIDATION AND CONTROL	36%
10%	 ELECTRICAL POWER	40%



TOTAL COST



ISOLATOR OPEX ARE 33% OF THOSE OF A CORRESPONDING CLEANROOM