

Sixth session
Geneva, 3-21 March 1997

**Working paper submitted by the Friend of the Chair
on Definitions and Objective Criteria**

List of Equipment

The following list of equipment was discussed by the Group in the context of a declaration format for a declared facility. [Such equipment could be divided in four different categories] [according to the activity of a facility]:

1. [Aerobiology]

- Aerosol chambers [(dynamics, static and explosive)] [designed and/or] used for test or study of microorganisms or toxins

	[No.]	[Volume]	Lab. Containment ¹	Application ²
- [dynamic
- static
- explosive]

Total

- Aerosol dissemination equipment with the ability of generating [90]% of particles of size 1-10 um.

	Indoor or outdoor use	Application
Powder aerosol capacity		
... gram/minute
Liquid aerosol capacity		
... ml/minute
[- Aerosol particle analyzing equipment]		

¹Used under BL3 or BL4 or equivalent containment.

²Application means work with microorganisms or toxins; or work with the biologically active material or other applications.

2. **[Production]**

- Fermenters/bioreactors				
Total capacity range	[No.]	[Volume]	Lab. Containment	Process Containment
- 5-99 litres	...	...	...	...
- 100-999 litres	...	...	...	...
- 1000-9999 litres	...	...	...	...
- 10.000 litres or more	...	...	...	...

[Any other fermenters under containment level BL3 and/or BL4]

- High speed self-sterilizable centrifugal separators or decanters for continuous or semi-continuous operation

Capacity range	[No.]	Lab. Containment	Process Containment
5-99 litres/hour	...	...	...
100 litres /hour or more	...	...	...

- Cross-flow tangential filtration equipment; capacity of filter area greater than [5 square meters] ...
- Freeze-drying equipment; with a condenser capacity more than 5 kg of ice in 24 hours ...
- Spray drying equipment ...
- Drum drying equipment ...

3. **[Work with listed agents and toxins]**

	[No.]	Lab. Containment
- Biological safety cabinets class III containment, [class I/III types of cabinets which could be converted into flexible cabinets]	...	...
- Cell disruption equipment; with a flow rate greater than 10 liters per hour	...	...

³OECD Category 2 or 3 or equivalent.

- [Microencapsulation equipment

4. **[Genetic Modification]**

	[No.]	Lab. Containment
- Automatic DNA sequencing equipment
- Automatic DNA synthesizer

A list of equipment may also have utility in the context of specific on-site activities during investigations; and in the context of declarations of, and [any] guidelines on [all] transfers of dual-use items.

Some other equipment was also proposed by some delegations, which needs to be discussed by the Group.

