



Fluids Processing Apparatus (FPA) and Group Activation Pack A-300 (GAP A-300)

Research Applications

- Small plants/seed germination
- Small invertebrates
- Microorganisms
- Mammalian cells
- Viruses
- Protein crystal growth
- Biomaterials

General Features

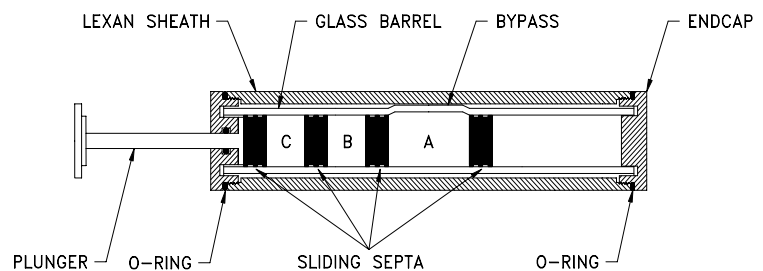
- Glass barrel with rubber septa in a Lexan™ sheath
- Gas permeable membranes available (limited gas exchange)
- Total liquid volume 6.5 ml
- Sequential mixing of 2, 3 or 4 fluids
- Components readily autoclaved
- 8 FPAs housed in manual or automated/motorized group activation pack (GAP)
- Incubator supports up to 16 GAPs with individual temperature control (4°C to 37°C)
- Automated on orbit activation does not require crew time



Fluids Processing Apparatus
“Microgravity Test Tube”



Eight FPAs housed within the
Group Activation Pack
(GAP-A300)



Schematic diagram of FPA

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