

PCT MicroTubes and PCT MicroCaps For Use with the 2320EXT MicroTube Adapter Kit

PCT MicroTubes

PCT MicroTubes were designed to meet the critical requirements of modern proteomic analysis by mass spectrometry. MicroTubes are made from a fluoropolymer, fluorinated ethylene propylene (FEP). This polymer was selected because of its unique features; it is highly inert, and retains its integrity within an extremely wide temperature range (-200°C to +100°C). The PCT MicroTube's outstanding chemical resistance, non-wetting surface, and negligible protein and nucleic acid adsorption, help to ensure nearly complete sample recovery, features that are essential for high pressure-enhanced enzymatic proteolysis. PCT MicroTubes are also used for extraction of proteins from minute samples of tissues using PCT MicroPestles.



50µl



100µl



150µl

PCT MicroCaps

PCT MicroCaps are made from polytetrafluoroethylene (PTFE), a polymer selected for features that are ideal for high pressure applications. PCT MicroCaps are available in three sizes, to accommodate different volumes in the PCT MicroTubes. The MicroCaps are designated 50, 100, or 150, depending on the volume of sample with which they are designed to be used. By selecting a particular MicroCap type, samples may be digested in reaction volumes of approximately 50, 100 and 150µL. For multistep protocols, such as PCT-HD, the sample remains in the same MicroTube through several PCT processing steps. Increases in sample volume are accommodated by replacing longer caps with shorter ones.

2320EXT MicroTube Adapter Kit (Catalogue Number MTTB-EXT-01)

The 2320EXT MicroTube Adapter Kit provides all the accessories needed to use MicroTubes and MicroCaps in the Barocycler 2320EXT. The Adapter Kit comes complete with a Copper Tool, MicroTube cartridges, and other tools and hardware, to enable the user to process from one to sixteen samples in PCT MicroTubes simultaneously in the 2320EXT Barocycler.

Features and Benefits PCT MicroTubes and PCT MicroCaps

- Versatile Range of Sample Sizes (50-150 µL)
- Compatible with a Variety of Proteolytic Enzymes
- Inert, Non-Wetting, Single-Use MicroTube Processing Containers
- MicroTubes and MicroCaps are available in racks, or bulk bags of 96.
- PCT MicroTubes Have a Writable Surface

Product*	Catalogue Number
96 MicroTubes in Bulk**	MT-96
96 MicroCaps (50 uL) in Bulk**	MC50-96
96 MicroCaps of (100 uL) in Bulk**	MC100-96
96 MicroCaps of (150 uL) in Bulk**	MC150-96
96 MicroTubes in a Rack (No Caps)	MTWS-MT-RK
96 MicroCaps of 50 uL in a Rack (No Tubes)	MTWS-MC50-RK
96 MicroCaps of 100 uL in a Rack (No Tubes)	MTWS-MC100-RK
96 MicroCaps of 150 uL in a Rack (No Tubes)	MTWS-MC150-RK

* For Research Use Only

** These Come in Light-tight and Anti-static Bags



Pressure BioSciences, Inc.
 14 Norfolk Ave, South Easton, MA 02375
 TEL 508-230-1828 • FAX 508-230-1829
www.pressurebiosciences.com