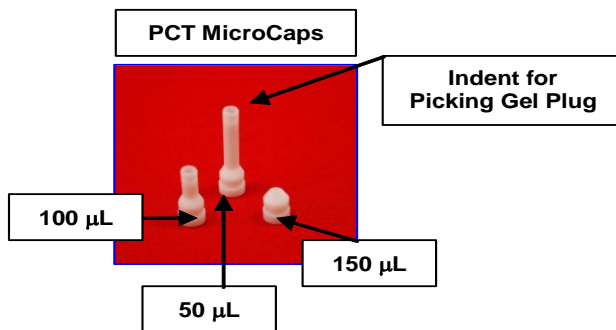


PCT MicroTubes and PCT MicroCaps For Use with the PCT MicroTube Adapter Kit Workstation

PCT MicroTubes

The PCT MicroTube was designed to meet the critical requirements of modern proteomic analysis by mass spectrometry. It is made from a fluoropolymer, fluorinated ethylene propylene (FEP). This polymer was selected because of its unique features. FEP 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.

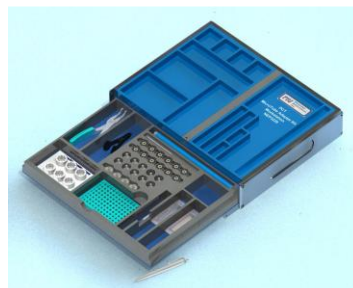


PCT MicroCap

PCT MicroCaps were also designed to meet the critical requirements of modern proteomic analysis by mass spectrometry. They are made from polytetrafluoroethylene (PTFE), a polymer selected for features that are ideal for high pressure applications. The PCT MicroCap is available in three designs, designated 50, 100, or 150. Each MicroCap design designates an approximate reaction volume. By selecting a particular MicroCap type, samples may be digested in reaction volumes of approximately 50, 100 and 150 mL. In addition, all PCT MicroCaps have the added unique feature of being able to be used as gel spot pickers to excise and transport small protein spots from a gel. The PCT MicroCap holds the gel protein spot safely within the cap, while it is transferred to the PCT MicroTube, ready for processing by PCT.

PCT MicroTube Adapter Kit

Processing time, sample throughput, accuracy, efficiency, and standardization are key elements of the sample preparation process for mass spectrometry. The PCT MicroTube Adapter Kit Workstation, in combination with the Pressure Cycling Technology Sample Preparation System (PCT SPS), can reliably and reproducibly control the enzymatic digestion of proteins while reducing the time of digestion from hours to minutes with the same or better quality as other, currently available techniques. PCT MicroTubes may also be used in the extraction of proteins from minute samples of tissues or cells. The PCT MicroTube Adapter Kit comes complete with an ergonomically designed, space-saving Work Station as well as tools and hardware, to enable the user to process from one to forty eight samples in PCT MicroTubes simultaneously in the PCT SPS.



Features and Benefits PCT MicroTubes and PCT MicroCaps

- Versatile Range of Sample Sizes (50-150 uL)
- Compatible with a Variety of Proteolytic Enzymes
- Inert, Non-Wetting, Single-Use MicroTube Processing Containers
- Unique MicroCap Design for Protein Spot Transfer from Acrylamide Gels
- Available in Several Convenient Easy-to-Use Formats
- 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
96 MicroTubes with 50 uL MicroCaps in a Rack (Pre-capped)	MTWS-TC50-RK
96 MicroTubes with 100 uL MicroCaps in a Rack (Pre-capped)	MTWS-TC100-RK
96 MicroTubes with 150 uL MicroCaps in a Rack (Pre-capped)	MTWS-TC150-RK

* For Research Use Only

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



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