



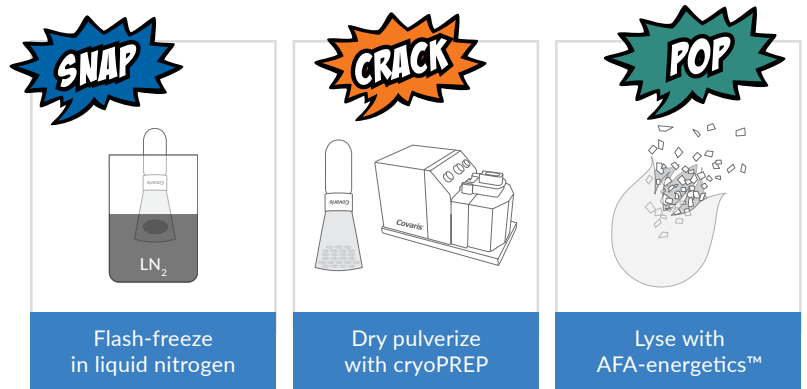
cryoPREP® Product Line

The non-contact, rapid, dry cryo-pulverization system for biological tissue

Covaris®

Tissue Disruption for Downstream Analytical Applications

- Snap Freeze
 - Flash freeze the sample in liquid nitrogen to thermally stabilize biomolecules. Samples may be stored at -80 °C.
- Crack with cryoPREP
 - Dry pulverize the sample to increase surface area and disrupt extracellular matrix without the need for use of organic solvents. Samples may be stored at -80 °C.
- Pop with AFA
 - Acoustically extract biomolecule in an appropriate stabilizing buffer prior to purification or analysis.



The diagram illustrates the size reduction of CP01, CP02, and CP03 using t-PREP devices. CP01 (orange) is reduced from 15 to 1,000 mg. CP02 (green) is reduced from 15 to 2,000 mg. CP03* (red) is reduced from 2,000 to 10,000 mg (2 to 10 g).

t-PREP	1 to 10 mg	Manual	t-PREP device
CP01	15 1,000 mg	Manual	See below
CP02	15 2,000 mg	Automated	See below
CP03*	2,000 10,000 mg (2 to 10 g)	Manual	See below

*The CP03 is designed to make smaller pieces that can then be further processed and pulverized using the CP01 or CP02.

*The CP03 is designed to make smaller pieces that can then be further processed and pulverized using the CP01 or CP02.

CP02 (110V: PN 500001) (220V: PN 500000)

CP02 Pulverizer uses a calibrated and controlled mechanical force to cryofracture flash-frozen tissues. The CP02 operates within the decibel levels of 108 and 118.



Covaris-certified Consumables

- tissueTUBE and milliTUBE

Consumable		Mass
tissueTUBE TT05M (PN 520139) tissueTUBE TT05M-XT (PN 520140)		< 50 mg
tissueTUBE TT1 (PN 520001) tissueTUBE TT1-XT (PN 520007)		< 300 mg recommended (up to 1 g)
tissueTUBE TT2 (PN 520021)		300 to 2,000 mg

CP02 High Tissue Mass Starter Kit (PN 500496)



Holder tissueTUBE TT1 &
tissueTUBE Extra Thick (PN 500095)



tissueTUBE TT1 Plug (25)
(PN 520006)



tissueTUBE TT1 Extra Thick (25)
(PN 520007)



Holder tissueTUBE TT2
(PN 500096)



tissueTUBE TT2 (25)
(PN 520021)



tissueTUBE TT2 Plug (25)
(PN 520023)



Tube & Cap 16x100mm (25)
(PN 520191)



Tube & Cap Teflon Septa 20x125 mm (25)
(PN 520192)

CP02 Low Tissue Mass Starter Kit (PN 500498)



Holder tissueTUBE TT1 &
tissueTUBE Extra Thick (PN 500095)



tissueTUBE TT05 Insertion Tool
(PN 500231)



tissueTUBE Extra Thick TT05M XT (25)
(PN 520140)



tissueTUBE TT05M Plug (25)
(PN 520141)



tissueTUBE TT1 Insertion Tool
(PN 500159)



tissueTUBE TT1 Plug (25)
(PN 520006)



tissueTUBE TT1 Extra Thick (25)
(PN 520007)



tissueTUBE TT1 - milliTUBE Adapter (25)
(PN 520142)



milliTUBE 1 ml AFA Fiber (24)
(PN 520135)

CP02 Conversion Kit TT2 (PN 500091)



CP02 Conversion Kit TT2
(PN 500091)

CP02 Low and High Tissue Mass Starter Kit (PN 500497)



Holder tissueTUBE TT1 &
tissueTUBE Extra Thick (PN 500095)



tissueTUBE TT05 Insertion Tool
(PN 500231)



tissueTUBE Extra Thick TT05M XT (25)
(PN 520140)



tissueTUBE TT05M Plug (25)
(PN 520141)



tissueTUBE TT1 Insertion Tool
(PN 500159)



tissueTUBE TT1 Plug (25)
(PN 520006)



tissueTUBE TT1 Extra Thick (25)
(PN 520007)



tissueTUBE TT1 - milliTUBE Adapter (25)
(PN 520142)



Holder tissueTUBE TT2
(PN 500096)



tissueTUBE TT2 (25)
(PN 520021)



tissueTUBE TT2 Plug (25)
(PN 520023)



milliTUBE 1 ml AFA Fiber (24)
(PN 520135)



Tube & Cap 16x100mm (25)
(PN 520191)



Tube & Cap Teflon Septa 20x125mm (25)
(PN 520192)

CP01 (PN 500230)

The CP01 cryoPREP Manual Dry Pulverizer can be used to process tissue samples within a mass range of 15 mg to 1 g.

Covaris-certified Consumables

- tissueTUBE
- milliTUBE



Consumable		Mass
tissueTUBE TT05M (PN 520139) tissueTUBE TT05M-XT (PN 520140)		< 50 mg
tissueTUBE TT1 (PN 520001) tissueTUBE TT1-XT (PN 520007)		< 500 mg recommended (up to 1 g)

CP01 Low Tissue Mass Starter Kit (PN 500616)



tissueTUBE TT1 Extra Thick (25)
(PN 520007)



milliTUBE 1 ml AFA Fiber (24)
(PN 520135)



tissueTUBE Extra Thick TT05M XT (25)
(PN 520140)



tissueTUBE TT05M Plug (25)
(PN 520141)



tissueTUBE TT1 - milliTUBE Adapter (25)
(PN 520142)



tissueTUBE TT1 Plug (25)
(PN 520006)

CP03 (PN 500049)

CP03 cryoPREP manual pulverizer can be used to cryofracture frozen tissues within a mass range of 2 to 10g .



Covaris-certified Consumables

- tissueTUBE

The CP03 is designed to make smaller pieces that can then be further processed or pulverized using the CP01 or CP02. The TT3 is a bag + a plastic clip. The sample is added to the TT3 bag and the bag is folded over 1 time for the plastic clip to seal it. (like a chip clip)

tissueTUBE TT3 (25)



tissueTUBE TT3 (25)
(PN 520008)

tissueTUBEs and Accessories

- tissueTUBEs have an expiration date due to the manufacturing process of heat shrinking the material
- Must be vented during processing in the cryoPREP

Product Inserts

- TT05M: https://covaris.com/wp/wp-content/uploads/resources_pdf/pn_010120.pdf
- TT1: https://covaris.com/wp/wp-content/uploads/resources_pdf/pn_010046.pdf
- TT2: https://covaris.com/wp/wp-content/uploads/resources_pdf/pn_010057.pdf
- Instructions for TT1, TT1 adapter and 13x65mm tube: https://covaris.com/wp/wp-content/uploads/resources_pdf/pn_010058.pdf
- CP02 conversion kit: https://covaris.com/wp/wp-content/uploads/resources_pdf/pn_010062.pdf

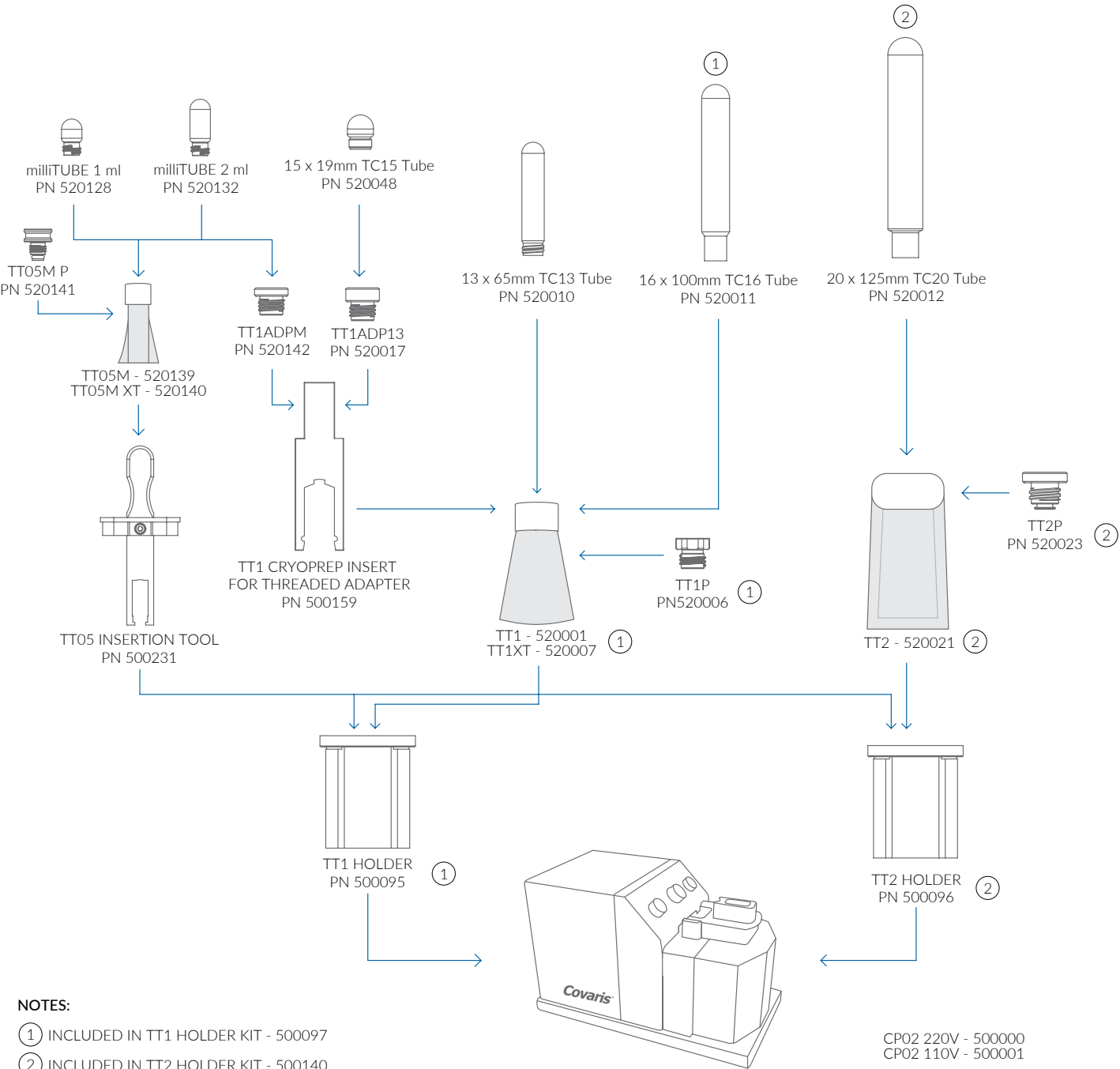
tissueTUBE: TT05, TT05-XT, TT05M, TT05M-XT (Used with CP01 and CP02 for sample mass <50 mg.)			
Consumable	Part #	Contents	Notes
TT05M	520139	25	Soft tissues
TT05M-XT	520140	25	Soft and hard tissues (e.g., heart, muscle, kidney)
TT05 Insertion tool	500231	1	Used with TT05M and TT05M-XT
TT05M plug	520141	25	TT05M, TT05M-XT
TT1 holder	500095	1	TT05M, TT05M-XT (also TT1 and TT1-XT)
tissueTUBE TT05 Cold Station	500249	1	Cold Station for tissueTUBE TT05
Rack 10 place tissueTUBE TT05	500284	1	Sample collection Rack for (10) TT05. Designed for immersion into liquid nitrogen or dry ice bath.
cryoTUBE 2 ml	520266	25	2 ml cryo-storage tubes compatible with tissueTUBE TT05M when paired with threaded adapter (PN 520264)
tissueTUBE TT05M Insertion Tool for cryoTUBE	500624	1	tissueTUBE Insertion Tool for use with the 2 ml cryogenic vial (PN 520266)
TT05M cryoADAPTER	520264	25	Threaded adapter for use with the 2 ml cryogenic vial and tissueTUBE TT05M (PN 520139, 520140)

tissueTUBEs and Accessories

tissueTUBE: TT1, TT1-XT (Used with CP01 and CP02 for sample mass <1 g. (Recommended < 300mg))			
Consumable	Part #	Contents	Notes
TT1	520001	25	Soft tissues (Case of 600 PN 520036)
TT1-XT	520007	25	Soft and Hard tissues (e.g., heart, muscle, kidney) (Case of 300 PN 520092)
TT1 plug	520006	25	TT1, TT1-XT
TT1 Adapter milliTUBE	520142	25	Recommended, for 1 and 2ml milliTUBE
TT1 Adapter 13x65 mm	520017	25	For 13x65 mm (4 ml) tube 520010
TT1 Insertion Tool	500159	1	Used with TT1, milliTUBE, and 13x65 adapters
TT1 Holder	500095	1	TT1, TT1-XT (also TT05M and TT05M-XT)
tissueTUBE TT1 Cold Station	500157	1	N/A
Rack 8 place tissueTUBE TT1	520142	1	Holds TT1 and TT1-XT. Designed for immersion into liquid nitrogen or dry ice bath.
TT1 & Plug/TT1-XT & Plug Case	520009/520044	300	N/A

tissueTUBE: TT2 (Used with CP02 for sample mass <2g . (Recommended 300 mg to 2g))			
Consumable	Part #	Contents	Notes
TT2	520021	25	Soft tissues
TT2 plug	520023	25	TT2
TT2 holder	500096	1	TT2
tissueTUBE TT2 Cold Station	500166	1	N/A
CP02 Conversion Kit TT2	500091	1	Cryoprep Conversion Kit for TT2 tissueTUBEs
TT2 & Plug Case	520034	300	N/A
20x125mm (TC20)	520192	25	N/A
20x125mm (TC20)	520012	500	N/A

cryoPREP CP02 Compatibility Chart



Contact Covaris today to discuss your needs
and the potential of cryoPREP!