

PRODUCT INSERT



TITLE: Covaris 8 oneTUBE-10 AFA® Strip

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Operating Limits and Conditions:

AFA Temperature	4°C – 40°C
Peak Incident Power	75 Watt maximum
Volume	10 – 50 µl
Water level	Automatically adjusted in the ME220
Centrifuge	2,200 x RCF maximum
Focused-ultrasonicator	ME220
Rack	Rack 8 oneTUBE-10 AFA® Strip



Ordering Information:

Name	Description	Part Number
8 oneTUBE-10 AFA Strip (12)	8 well oneTUBE-10 AFA Strip	520225
8 oneTUBE-10 AFA Strip (120)	8 well oneTUBE-10 AFA Strip	520253
Rack 8 oneTUBE-10 AFA Strip	Rack to be used during AFA® processing	500609
8 oneTUBE-10 AFA Strip Caps	Caps for sealing during AFA® processing	500613

Product Name	8 oneTUBE-10 AFA® Strip
Part Number	520225 or 520253
Compatible volume	10 µl – 50 µl
ME220 Plate definition	“8 oneTUBE-10 Strip PN 520225” (contact Customer Service at TechSupport@covaris.com if Plate Definition is not provided in SonoLab)

Notes:

- This strip must be used with the Rack 8 oneTUBE-10 AFA® strip PN 500609
- Designed for use with automated 1, 8, and 96 channel pipettors
- Recommended instructions are subject to change without notice

Revision History:

Part Number	Revision	Date	Description of change
010447	A	04/18	New with release of 8 oneTUBE-10 AFA® Strip

In This Package:

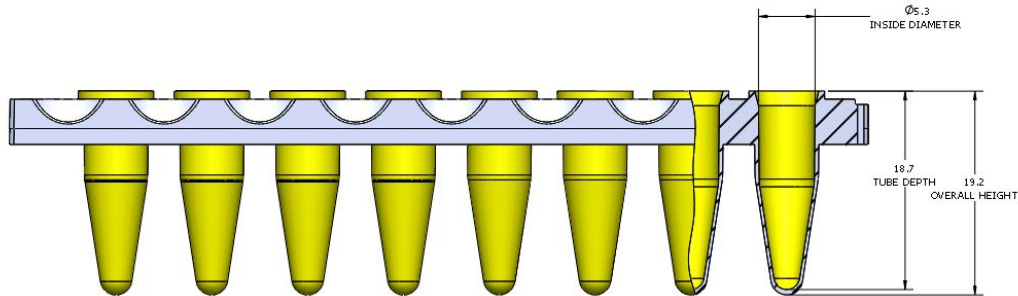
- Ready-to-use 8 oneTUBE-10 AFA® Strip
- Desiccant pouch

PRODUCT INSERT



Nominal Strip Dimensions:

Overall Tube Height (top of tubes)	19.2 mm
Tube center-to-center spacing	9.0 mm (SBS standard pattern)
Tube depth:	
8 oneTUBE-10 AFA® Strip	18.7 mm
Interior clearance diameter	5.0 mm (maximum tip diameter 18.5 mm from end)



NOTE: Store the plates at Room Temperature in a dry place before use.

Instructions for Use:

CAUTION: REMOVE THE DESICCANT PACK PRIOR TO USE

The 8 oneTUBE-10 AFA® Strip is a ready-to-use sample processing vessel. The specially-designed 8 strip is optimized for use with Covaris Adaptive Focused Acoustics® (AFA).

The strip is designed as typical labware compatible with automation including heating blocks, magnetics stands, etc. If volume is at maximum, be sure to pipette slowly from the top of the tube to ensure no sample displacement.

Recommended Sequence for Use:

1. Fill the tubes:

Aspirate sample and dispense into the 8 oneTUBE-10 AFA® Strip. Dispense the samples about 2-3 mm above the bottom of the tube or at the bottom depending on sample volume being careful to dispense all the sample into the bottom of the tube.

2. Seal the plate for AFA-processing:

Apply strip caps to tops of tubes. The strip is now ready to be processed in your Covaris instrument.

3. Centrifugation:

We recommend centrifuging the strip after sample addition to ensure the sample is at the bottom of the tube. Centrifuge the strip using a mini-centrifuge compatible with 8-Strips for ≤ 10 seconds. Visually inspect strip to verify that all liquid is at the bottom of each tube before proceeding to Step 4.

4. AFA-processing:

Refer to the Quick Guide, DNA shearing with ME220 Focused-ultrasonicator http://covaris.com/wp-content/uploads/pn_010349.pdf

The strip must be in the ME220 Rack 8 oneTUBE-10 AFA Strip (PN 500609) using the waveguide (PN 500526) for processing.

5. Centrifugation:

It is recommended to centrifuge the plate after AFA® (using a mini-centrifuge compatible with 8-Strips for ≤ 10 seconds) before removing any sample.

6. Downstream sample handling:

After AFA® treatment, the samples are ready for downstream processing. The strip caps can be removed for processing in the 8 oneTUBE-10 AFA® Strip. Do not use the strip for long term storage of the samples.

Technical Assistance

- By telephone (+1 781 932 3959) during the hours of 9:00am to 5:00pm, Monday through Friday, United States Eastern Standard Time (EST) or Greenwich Mean Time (GMT) minus 05:00 hours
- By e-mail at ApplicationSupport@covaris.com