



NGS in **oneTUBE-10**: No Transfer Steps Necessary



Single vessel NGS library preparation is achieved using Covaris's Gold Standard AFA[®] technology for highly accurate and reproducible results. **Designed as typical labware** the [oneTUBE-10](#) is compatible with heat blocks, magnets and most thermocyclers **eliminating transfer steps and improving sample recovery**. DNA shearing volume ranges from 10-50µl with a maximum working volume of 200 µl. Available in either a 96 well plate or 8 strip format.

Read our press release [here](#).

[Click for more information](#)

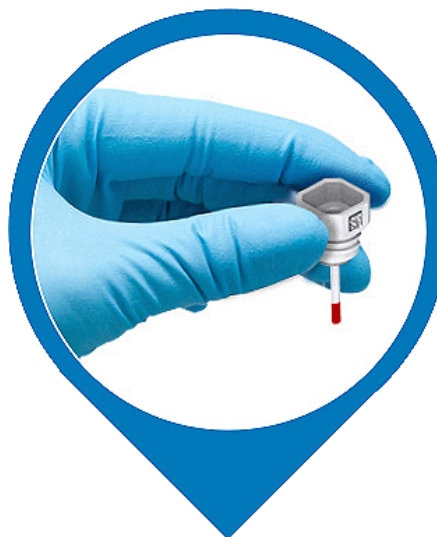
Small Volume Blood Collection, Storage, and Extraction All in a Single Tube

truCOLLECT

- Small volume blood collection for newborn screening, population genetics, and more
- Dry-stabilized blood for shipping and storage at ambient temperature
- 2D barcoding for sample tracking and traceability

- Re-hydrate and extract high quality nucleic acids and proteins with Covaris Adaptive Focused Acoustics® (AFA®)

[Click here for more information.](#)



Workflow Solutions for **ChIP-Seq**



Contact Us

Application Support

Have ChIP-Seq sample prep questions? Check out our [ChIP FAQs](#) for answers to commonly asked questions. If you still need help, please contact our [Applications Support](#) team.

New Application Note

ChIP **Covaris**® Application Note
www.covaris.com

Preparation of whole body *Caenorhabditis elegans* extracts for chromatin immunoprecipitation using the Covaris® S220 Focused-ultrasonicator

Esse R., Gushchanskaia E., Grishok, A. — Department of Biochemistry, Boston University School of Medicine, Boston, MA 02118, USA

Interested in using nematodes in your epigenetic-focused research projects? Check out the latest [Application Note](#) written by Ruben *et. al* from Boston University to learn how Covaris AFA improves the sample prep workflow for ChIP-Seq.

Events

- November 30th, 2017 - [The Inaugural Advancing Drug Development Forum](#), Boston, MA
- November 30th, 2017 - Illumina User Group Meeting, San Francisco, CA USA
- January 24th through 26th, 2018 - [Assises de Genetique Humaine et Medicale](#), Nantes, France
- January 30th through 31st, 2018 - [Festival of Genomics](#), Booth #6, London, UK

[More events...](#)



Free Webinar

"Overcoming the evils of fixation and storage: Getting the most out of your FFPE samples"

[Register here](#)

Publications & Posters

Posters presented at ASHG 2017:

[Identification by FFPE RNA-Seq of a New Recurrent Inversion Leading to RBM10-TFE3 Fusion in Renal Cell Carcinoma with Subtle TFE3 Break-Apart FISH Pattern](#)

Pierre-Alexandre Just, et al.

truXTRAC FFPE RNA kit was used to extract RNA from FFPE samples for detection of rare fusion events by RNA-seq. Detection of rare fusion events was enabled in part by high DV200 scores between 80-85%.

[An optimized single tube workflow for robust, low input NGS library preparation](#)

Durin, et al

For NGS library construction, DNA shearing in the oneTUBE was paired with Swift Biosciences Accel-NGS 2S Kit. The 2S kit preserves complexity from low input samples due to enhanced end repair chemistry for highly efficient adapter ligation in a single tube workflow. This combination enables for the first time DNA shearing, end repair, and adapter ligation in the same vessel, thereby eliminating cumbersome sample transfers. We present sequencing data from libraries constructed with this workflow and compare them to libraries constructed according to standard "with transfer" protocol in microTUBE.