

Every Sample Has a Story

Sample Collection and Transportation *Made Simple*®



DNA/RNA Shield™

DNA/RNA Shield™ enabled researchers to collect and transport samples from camels in the most extreme desert temperatures to survey the spread of the Middle East respiratory syndrome coronavirus (MERS-CoV) virus in the Middle East.



Learn more about safe collection and transport of infectious samples

www.zymoresearch.com/dna_rna_shield



info@zymoresearch.com



www.zymoresearch.com



Toll Free: (888) 882-9682

Gain greater insight into the transcriptome with nanopore technology



Characterise and quantify full-length transcripts using long reads



Explore epigenetic modifications through direct RNA sequencing

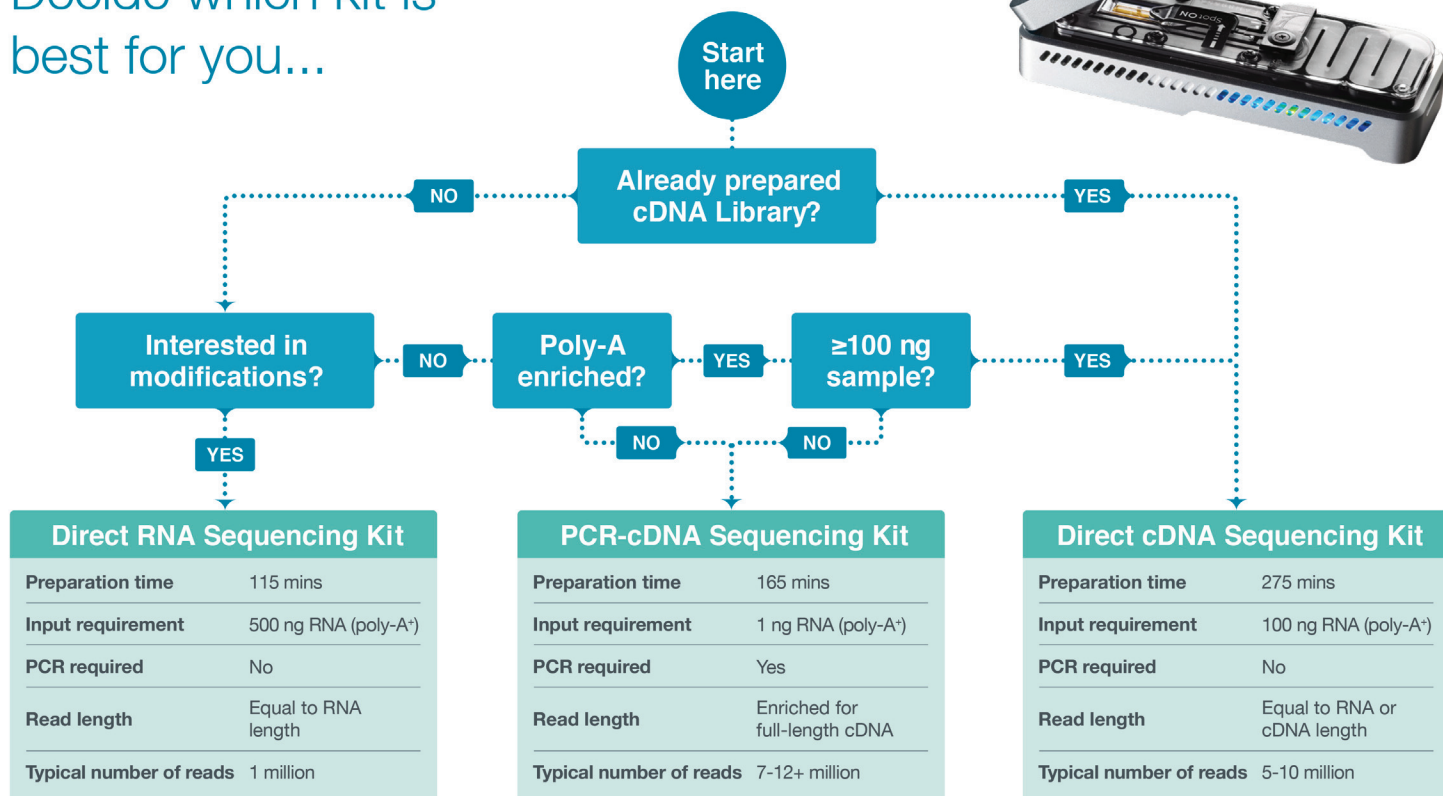


Get faster access to results with real-time analysis and bespoke tools



Reduce bias with PCR-free protocols

Decide which kit is best for you...



Are you attending RNA Society 2019?

Find out more at booth #4 and join us for a breakfast workshop on Wednesday 12th June (7:00 am - 8:45 am), Alfa 1 meeting room at Park Inn by Radisson.

Find out more at www.nanoporetech.com

SAVE THE DATE!

JOIN US IN SAN DIEGO!

AACR ANNUAL MEETING 2020

THE SAN DIEGO CONVENTION CENTER APRIL 25-29



For more information
as it becomes available, visit

[AACR.org](https://www.aacr.org)

AACR

American Association
for Cancer Research®

FINDING CURES TOGETHER®



2019 RiboClub Lifetime Achievement Award Call for Nominations

VALUE OF CAD 10,000

On the occasion of the **20th Anniversary of the RiboClub** meetings, we are pleased to announce that nominations for the 2019 RiboClub Lifetime Achievement Award are being accepted. Eligibility for this award is open to all scientists working in **Canadian Institutions**, with major contributions to the field of **RNA biology**. Nominations can be submitted by scientists (no self-nominations) and academic institutions. Only individual nominations will be accepted.

Deadline for receipt of nominations: **June 30th, 2019**

All nominations must be submitted by e-mail to the Secretary of the Chair (Dr. Nahum Sonenberg) of the selection committee, Ms. Annamaria Kiss: sonenberg.admin@mcgill.ca

Documents necessary for submitting a nomination are:

1. Curriculum vitae of the nominee, with contact information (phone and e-mail)
2. A nomination letter detailing the scientific achievements of the nominee (max. 2 pages)
3. List of the nominee's 5 most important scientific publications
4. Optional: Support letters (maximum of 3, and each no more than 2 pages)

For more info visit www.riboclub.org

For the program and registration visit www.riboclub.org/annual-meeting



Life Science Alliance

New not-for-profit open-access journal now online!

EMBO Press, Rockefeller University Press, and Cold Spring Harbor Laboratory Press join forces to empower authors to publish new research more efficiently.

Life Science Alliance is a new global, open-access, editorially independent, peer-reviewed journal committed to rapid, fair, and transparent publication of valuable research from across all areas in the life sciences.

Papers published in *Life Science Alliance* meet high scientific and editorial standards established by the alliance partners. *Life Science Alliance* welcomes new results, important confirmatory, negative, and refuting data, as well as community resources such as datasets, screens, and new methods.

Manuscripts can be submitted to *Life Science Alliance* directly or by seamless transfer without reformatting from nine partner journals: *The EMBO Journal*, *EMBO reports*, *Molecular Systems Biology*, *EMBO Molecular Medicine*, *Journal of Cell Biology*, *Journal of Experimental Medicine*, *Journal of General Physiology*, *Genes & Development*, and *Genome Research*.

Authors of papers transferred to *Life Science Alliance* with or without referee reports are given a firm commitment prior to transfer. Timely editorial decisions are made through collaborative consultation between the editorial team and leading academic scientists. No more than one round of substantive revisions will be requested.

Life Science Alliance: an initiative of three distinguished publishing organizations that offers authors a new and attractive choice among not-for-profit, open-access journals.

Learn more, sign up for alerts, and submit your research at:

www.life-science-alliance.org



One or more of these products are covered by patents, trademarks and/or copyrights owned or controlled by New England Biolabs, Inc. For more information, please email us at gbd@neb.com. The use of these products may require you to obtain additional third party intellectual property rights for certain applications. © Copyright 2019, New England Biolabs, Inc.; all rights reserved.

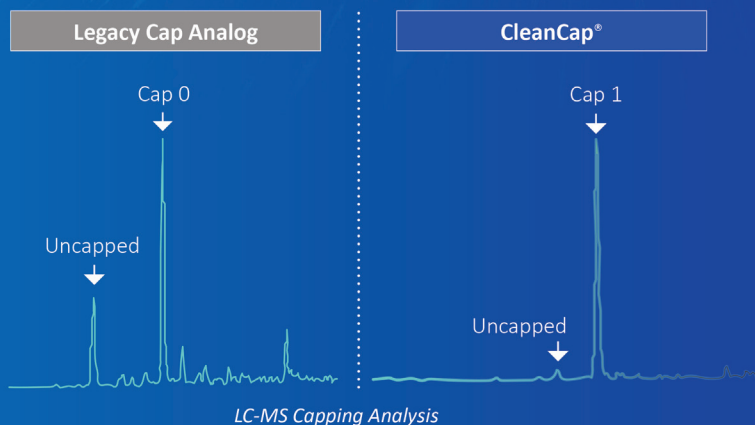
A REVOLUTION in Co-Transcriptional mRNA Capping

CleanCap® demonstrates superior performance versus legacy co-transcriptional capping methods

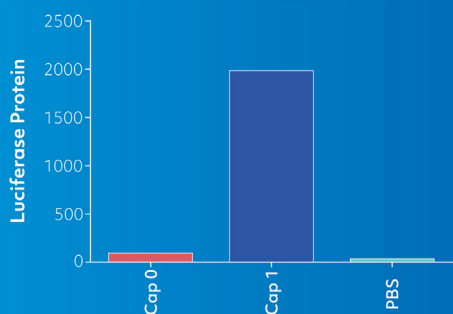
	Legacy Cap Analogs		CleanCap®	
Natural Cap	No	⊖	Yes	⊕
Immunogenic	Yes	⊖	Reduced Immunogenicity	⊕
Capping Efficiency	~70%	⊖	~95%	⊕
Yield/mL Transcription	1.5 mg/mL	⊖	4 mg/mL	⊕
Cost	3 X	⊖	1 X	⊕
Available Therapeutic Licenses	No	⊖	Yes	⊕

CleanCap®

Successful development of mRNA therapeutics relies on reproducible, high-efficiency production of capped mRNA. CleanCap® uses a new co-transcriptional chemical process for the highest level of mRNA capping:



CleanCap® gives superior activity *in vivo* by mimicking a natural cap



Luciferase mRNA was formulated with Lunar Lipids and injected by tail vein into mice. At 6 hours, luciferase was measured by western blot in mouse liver. Data courtesy of Arcturus Therapeutics.

CleanCap® results in a natural Cap 1 structure that does not stimulate the innate immune system of the host, resulting in unparalleled efficiency *in vivo*. Legacy co-transcriptional capping methods yield a Cap 0, an immunogenic cap structure that is poorly expressed *in vivo*.

The results speak for themselves: **CleanCap®, the next generation of cap analogs, provide the most active and least toxic mRNA for your *in vivo* applications.**

Be part of the revolution.

For more information visit: trilinkbiotech.com/cleancap