

JUNK or GOLD?

Unlock the Myths of Non-Coding RNAs

In the recent years, the discovery of non-coding RNA (ncRNA) regulatory activities has unleashed alluring opportunities of finding new disease regulators, biomarkers and therapeutic targets. Did you know that Arraystar offers dedicated solutions for ncRNAs, including lncRNAs, circular RNAs, tRNAs, tRFs and more?

LncRNA Microarrays

2019 New Releases: Human V5.0, Mouse V4.0, Rat V3.0

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For lncRNAs, microRNAs, tRNAs, tRFs, and snoRNAs

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from Sample
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analyses specialized for
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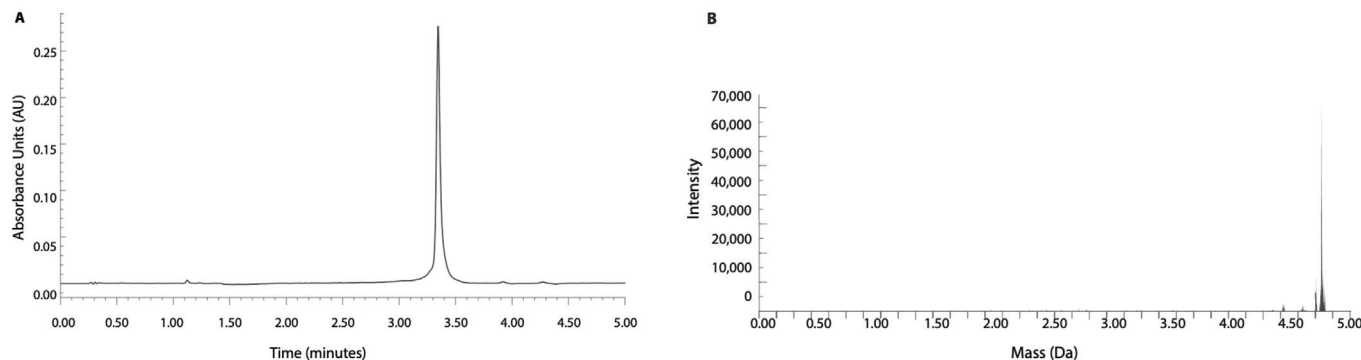
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Quality analysis of a custom synthesized 105 nucleotide RNA oligo



(A) UPLC analysis showing >90% pure full-length material. (B) Mass spec analysis illustrating the correct mass.

Contact us to discuss your project.
technical@horizondiscovery.com



Take CRISPR Beyond the Bench

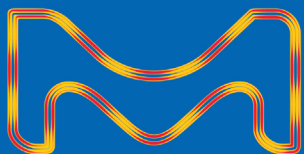
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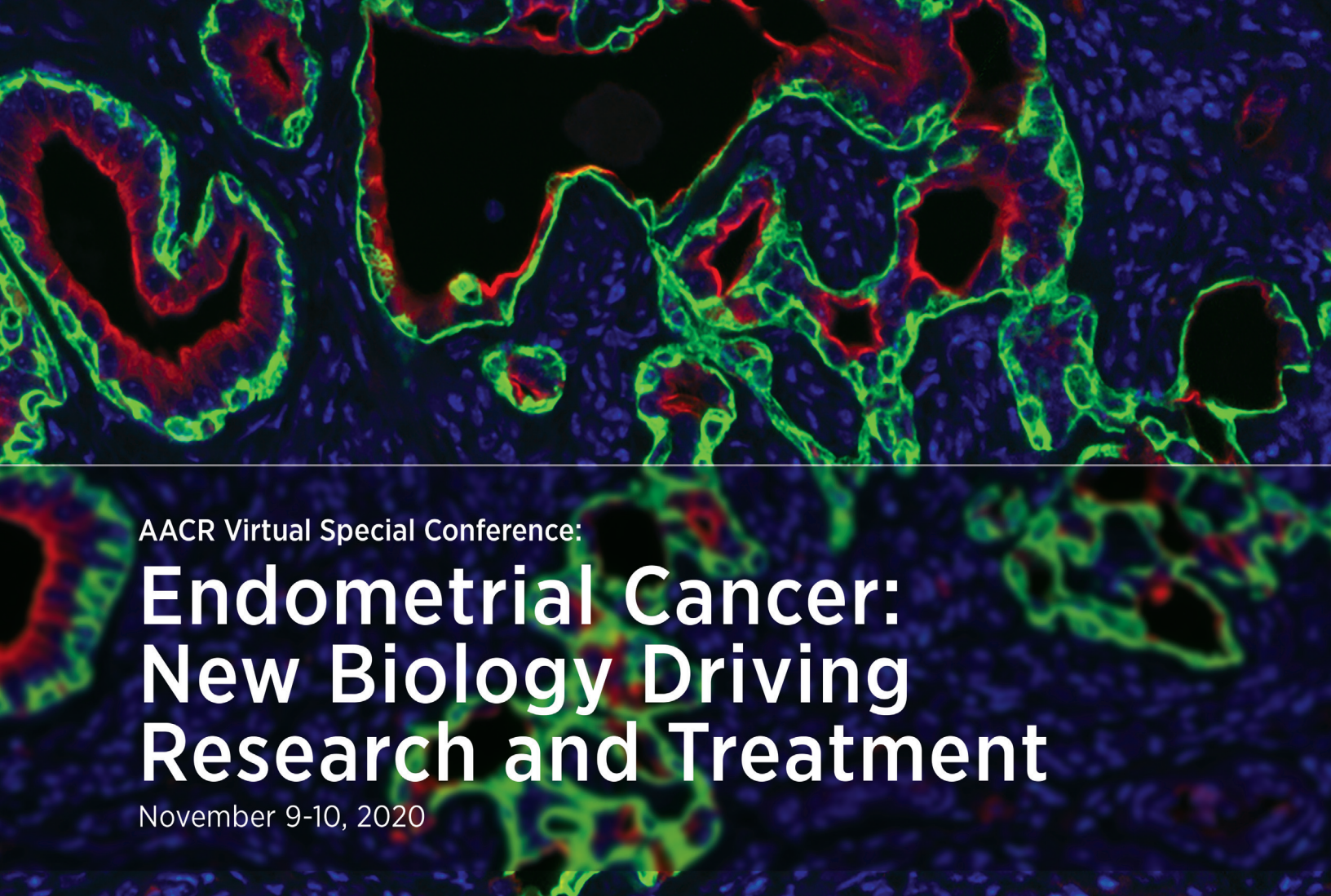
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AACR Virtual Special Conference:

Endometrial Cancer: New Biology Driving Research and Treatment

November 9-10, 2020

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ABOUT THIS CONFERENCE

This AACR Virtual Special Conference on Endometrial Cancer will explore New Biology Driving Research and Treatment. A broad range of topics will be discussed, from basic research in model systems, exploration of cause, and early detection and characterization to novel immunologic therapies, precision, and targeted therapeutics. The Conference Cochairs have developed a multidisciplinary program that will appeal to laboratory scientists and clinical oncologists committed to understanding and eliminating endometrial cancer.



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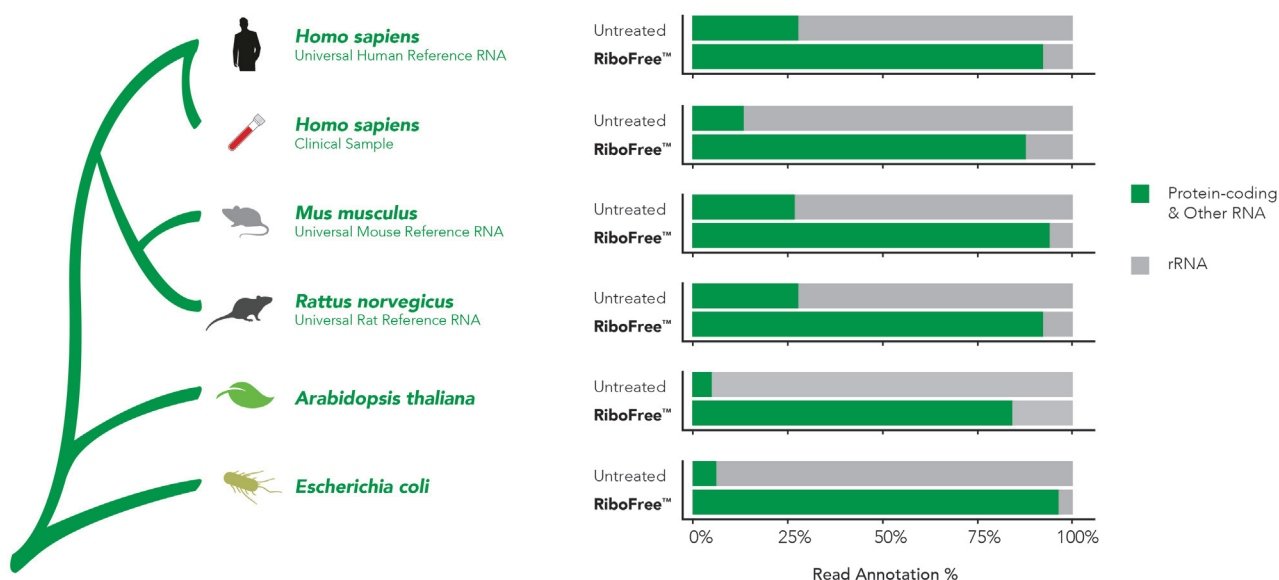
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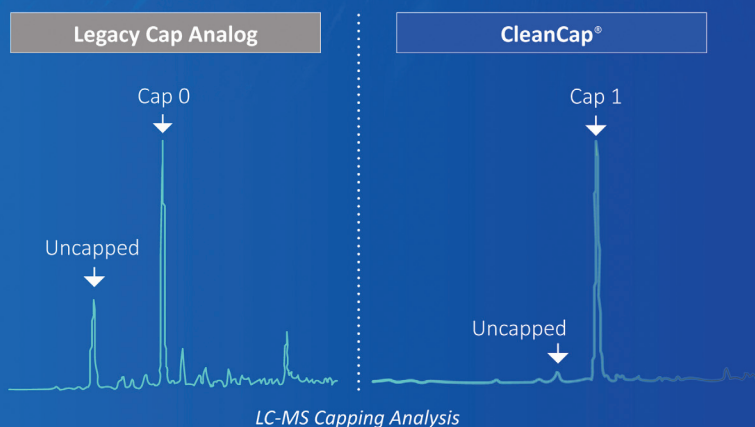
A REVOLUTION in Co-Transcriptional mRNA Capping

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

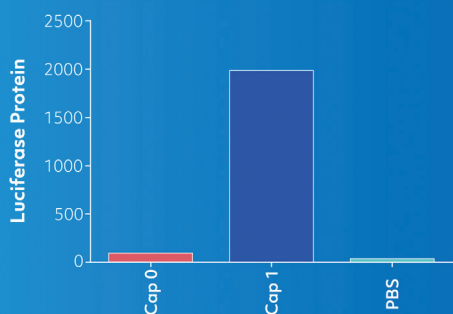
	Legacy Cap Analogs		CleanCap®	
Natural Cap	No	⊖	Yes	⊕
Immunogenic	Yes	⊖	Reduced Immunogenicity	⊕
Capping Efficiency	~70%	⊖	~95%	⊕
Yield/mL Transcription	1.5 mg/mL	⊖	4 mg/mL	⊕
Cost	3 X	⊖	1 X	⊕
Available Therapeutic Licenses	No	⊖	Yes	⊕

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.**

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For more information visit: trilinkbiotech.com/cleancap