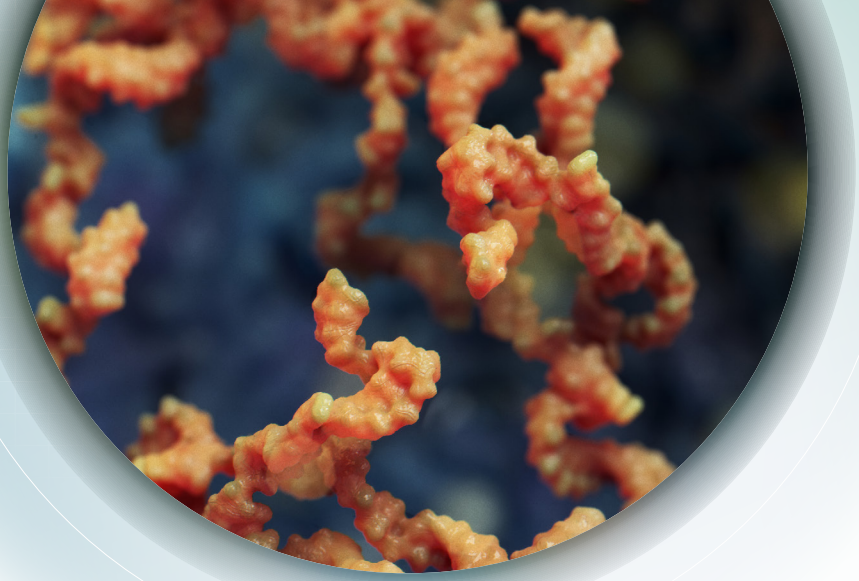
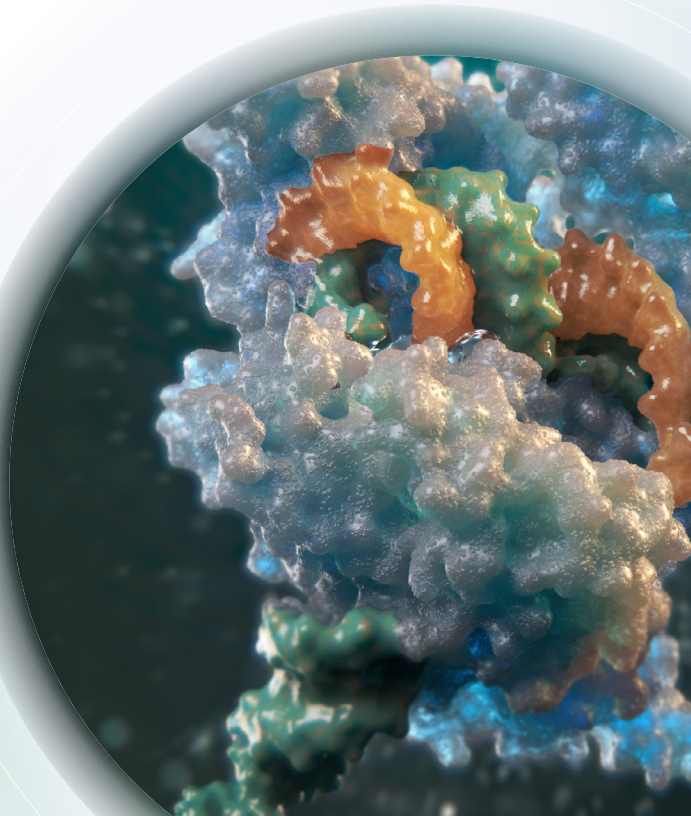


High-resolution purity and integrity analysis for oligonucleotides

The Oligo 200 nt Purity and Integrity kit enables high resolution characterization of single-stranded oligonucleotides up to 200 nucleotides (nt) and beyond, supporting poly[A] tail analysis and more.

Designed for use on the **BioPhase 8800 system** and **PA 800 Plus system**, this ready-to-use CE kit for oligonucleotides delivers single nucleotide resolution across an extended size range, without complex method development.

Extend the reach of CE with high resolution oligonucleotide analysis ready to go when you are.



Oligo 200 nt Purity and Integrity kit

Reagents for analysis:

- Oligo 200 nt Purity and Integrity gel
- Oligo 200 nt Purity and Integrity sample buffer (20x)
- Acid wash/regenerating solution (0.1N HCl)
- CE Grade water
- Oligo 200 nt test mix (50nt to 141 nt)
- Single-stranded Oligo standard (15 nt)

Compatible with non-coated capillaries 254 nm filter is required to use UV detection on the BioPhase 8800 system

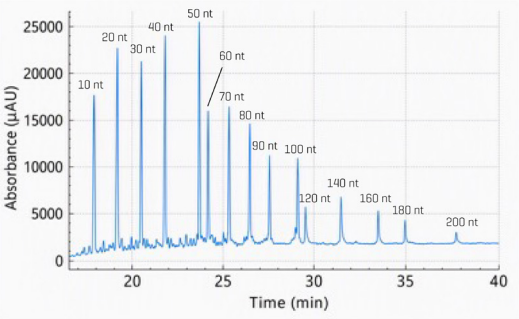


Figure 1: Oligo 200 nt ladder. Electropherogram of oligonucleotide ladder with 15 markers, ranging from 10 to 200 nt, showing the analytical range of the Oligo 200 nt Purity and Integrity kit with UV detection at 254 nm.

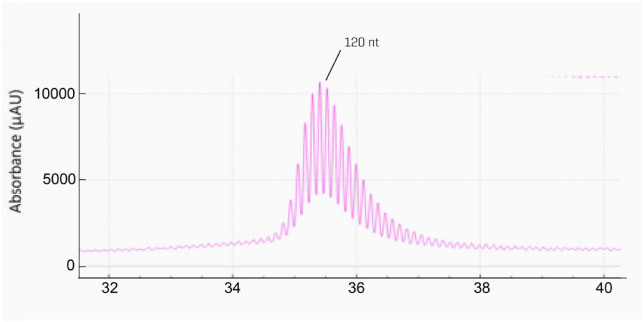


Figure 2: Poly(A) tail analysis from mRNA. Electropherogram of the poly(A) tail obtained from an mRNA sample analyzed with the Oligo 200 nt Purity and Integrity kit with UV detection at 254 nm. Apex was determined at 120 nt with spike-in (not shown) and resolution between single nucleotides was determined >0.7.

Single nucleotide resolution across and extended size range

Cover a wide size range with high resolution from 10 to 200+ nt in length and achieve single-nucleotide resolution (R > 0.7) from 10 to 141 nt, supporting detailed characterization of poly(A) tail distributions and purity an integrity assessment of other single-stranded oligonucleotides.

Request a quote

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