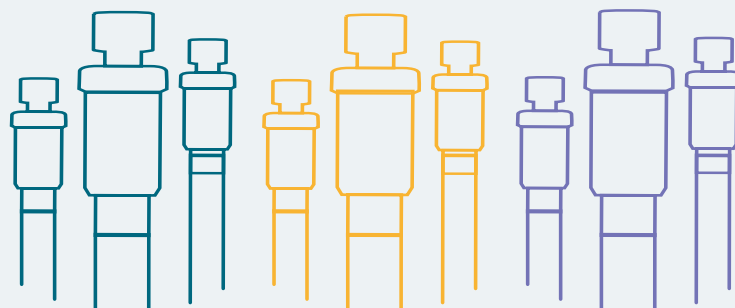
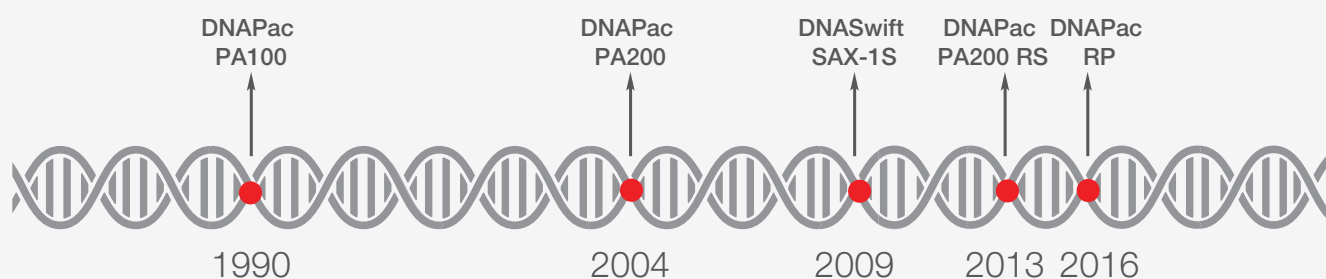


## Ultra-high resolution oligonucleotide separation



For over 30 years, the Thermo Scientific™ DNAPac™ family of columns has been the go-to for high resolution U/HPLC separations. When oligonucleotide purity and characterization is critical to your work, you can rely on our anion exchange and reversed phase column chemistries. Failure sequences and impurities generated during nucleic acid synthesis affect the quality of therapeutic oligonucleotides and molecular diagnostic primers. DNAPac columns are designed for high resolution HPLC and LC/MS separations – and you're in good hands because our innovative chemistries are widely referenced in hundreds of peer reviewed journal articles.



**Thermo Scientific™ DNAPac™ PA200 and DNAPac™ PA200RS columns** offer the highest resolution charge based oligonucleotide separations. These anion-exchange columns provide unsurpassed resolution of full length from  $n-1$ ,  $n+1$  (and other failure sequences).

**Thermo Scientific™ DNAPac™ RP U/HPLC columns** deliver high throughput, high resolution ion-pair reversed-phase separations. These LS-MS compatible, long-lasting polymeric columns operate up to pH 14, have temperature stability to 110 °C, and easily resolve large dsDNA fragments up to 10,000 bp.

**Thermo Scientific™ DNASwift™ SAX-1S monolith columns** provide high loading capacity for easy laboratory scale charge-based purification of oligonucleotide samples.

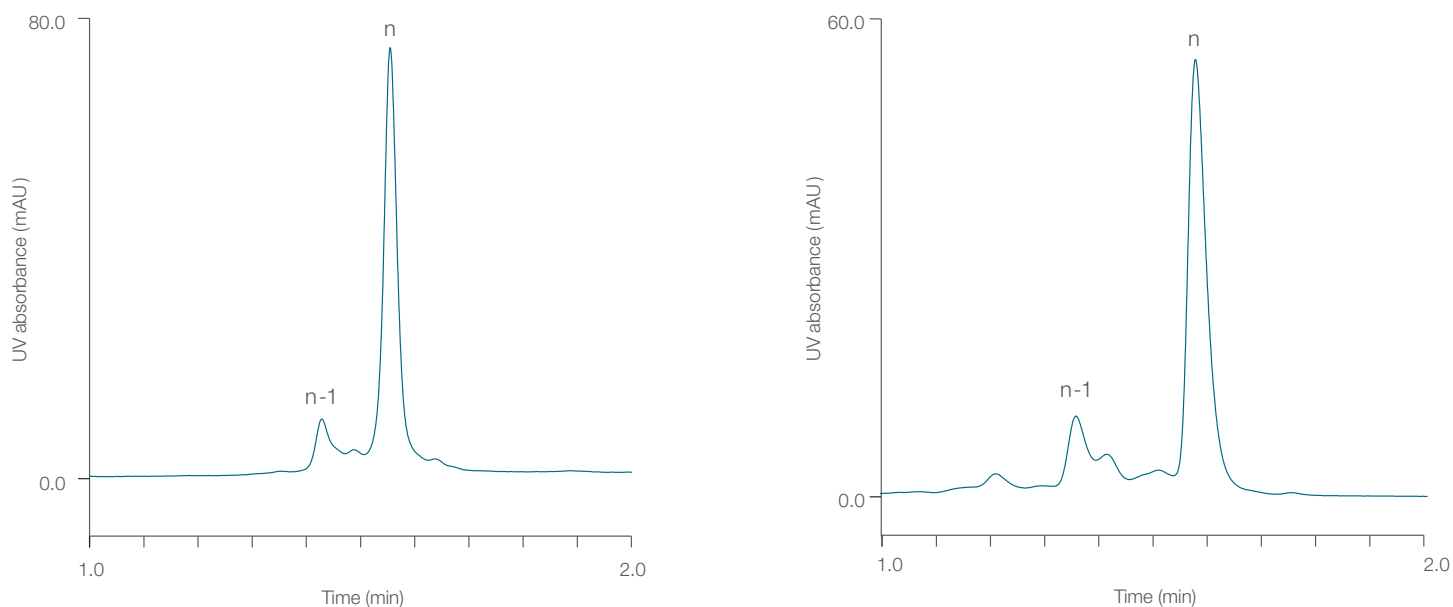


Figure 1. Combining speed and resolution, the DNAPac RP 2.1 x 50 mm (left) and DNAPac PA200RS 2.1 x 50 mm (right) separate 22mer DNA (n) from 21mer DNA (n-1; 3' truncated) sample.

## DNAPac PA200 Oligonucleotide columns

Particle Size (µm)	Format	Length (mm)	2.0 mm ID	4.0 mm ID	9.0 mm ID	22.0 mm ID
8	Standard analytical column	250	10044-494	10044-476	10044-490	10044-352
5	Guard column	50	10044-492	10044-474	10044-488	10044-350

## DNAPac PA200RS Oligonucleotide HPLC columns

Particle size (µm)	Format	Length (mm)	4.6 mm ID
4	UHPLC column	50	10044-904
		150	10044-906
		250	10044-910

## DNAPac RP columns

Particle Size (µm)	Format	Length (mm)	2.1 mm ID	3.0 mm ID
4	Analytical column	250	76420-872	-
		100	10841-612	10841-562
		50	10841-614	10841-564
	Guard cartridges (2/pk)	10	10841-616	10841-566
	Guard cartridge holder		10067-724	10067-724

## DNASwift SAX-1S column

Particle size (µm)	Format	Length (mm)	5.0 mm ID
Monolith	HPLC column	150	10044-590

Find out more at [www.thermo\\_chrom.com](http://www.thermo_chrom.com)



800 932 5000 | VWR.COM

Prices, product, and/or services details are current when published and subject to change without notice. | Certain products or services may be limited by federal, state, provincial, or local regulations. | VWR, part of Avantor, makes no claims or warranties concerning sustainable/green products. Any claims concerning sustainable/green products are the sole claims of the manufacturer and not those of VWR International, LLC and/or Avantor, Inc. or affiliates. All prices are in US dollars unless otherwise noted. Offers valid in US and Canada, void where prohibited by law or company policy, while supplies last. | Trademarks are owned by Avantor, Inc. or its affiliates, unless otherwise noted. | Visit [www.thermo\\_chrom.com](http://www.thermo_chrom.com) to view our privacy policy, trademark owners, and additional disclaimers. © 2020 Avantor, Inc. All rights reserved.