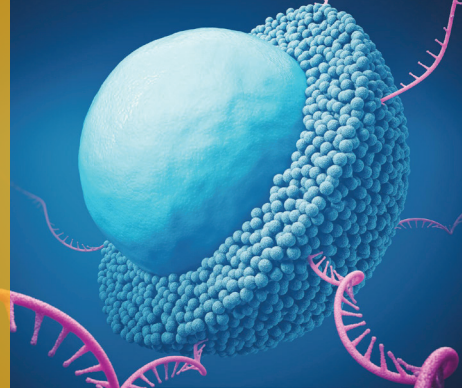


# Separation Your Way: siRNA to mRNA

Agilent column chemistries for diverse oligonucleotides

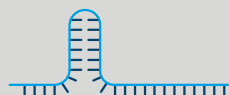


## Agilent Oligonucleotide Separation and Purification Guide

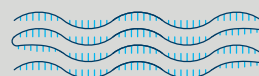
### Oligo therapeutic classes



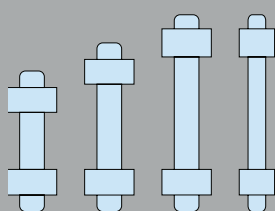
18-30 bases  
siRNA/ASO



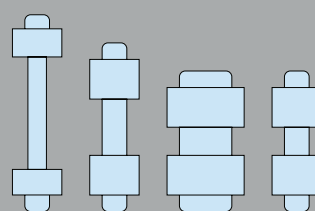
Up to 200 bases  
gRNA



1000s of bases  
mRNA



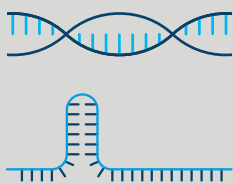
### Columns for oligonucleotide chromatography



#### Ion paired reversed-phase (IP-RP)

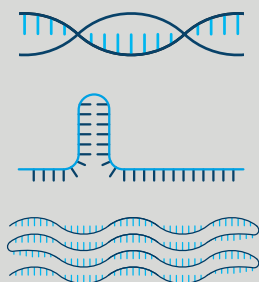
##### Agilent AdvanceBio Oligonucleotide columns

Suitable for siRNA/ASO  
and gRNA



##### Agilent PLRP-S columns

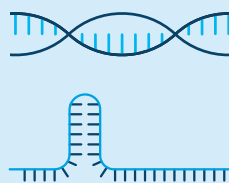
Suitable for siRNA/ASO,  
gRNA and mRNA



#### Anion exchange (AEX)

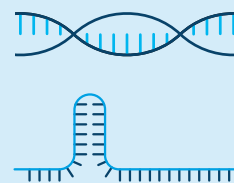
##### Agilent Bio SAX columns

Suitable for siRNA/ASO  
and gRNA



##### Agilent PL-SAX columns

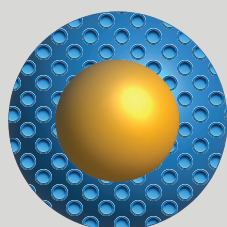
Suitable for siRNA/ASO  
and gRNA



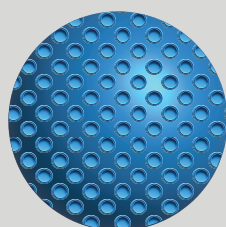
#### High pH and temperature stability

#### MS Compatible

- High efficiency particles in 2.7 and 4  $\mu\text{m}$
- Available from analytical to 21.2 mm id columns
- Agilent Poroshell technology
- Optimized 120  $\text{\AA}$  pore size for targeted, high resolution IP-RP separations

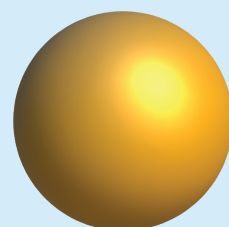


- Particle sizes 3 to 50  $\mu\text{m}$
- Available from analytical to 100 mm id preparative columns and bulk media
- Fully porous polymeric particle
- Available in 4 pore sizes: 100, 300, 1000 & 4000  $\text{\AA}$

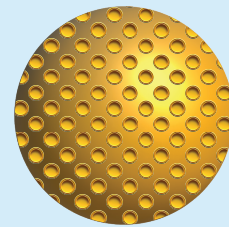


#### MS Compatible with desalting

- Particle sizes from 1.7 to 10  $\mu\text{m}$
- Available in analytical to 21.2 mm id columns
- Nonporous particle for high resolution IEX separations



- Particle sizes 5 to 30  $\mu\text{m}$
- Available from analytical to 100 mm id preparative columns and bulk media
- Fully porous polymeric particle
- Available in 1000 & 4000  $\text{\AA}$  pore sizes



Learn more

[www.agilent.com/chem/oligonucleotide-analysis](http://www.agilent.com/chem/oligonucleotide-analysis)

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Trusted Answers