

Simplify the complexity in carbohydrate analysis

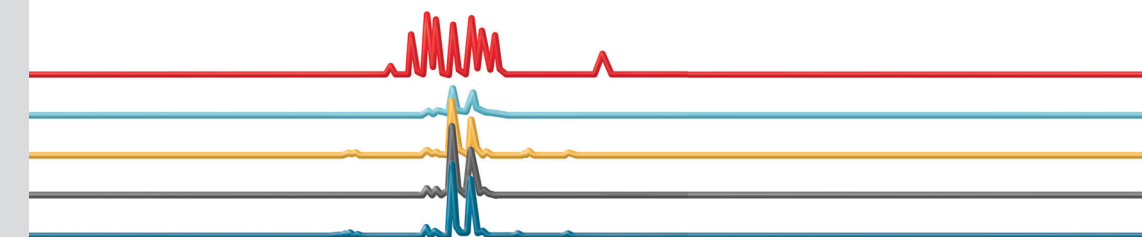


Sample column

selection guide

This is not all of the carbohydrates that you can analyze with Thermo Scientific™ Dionex™ CarboPac™ columns, this is just a selection that are popular as a guide to which column you can use. Please note that the column capacity may vary depending for your sample matrix.

Dionex™ CarboPac™	Standard bore	Microbore	1mm	4µm particle size
MA1	✓			
PA1	✓	✓	✓	
PA10	✓	✓		
PA100	✓	✓		
PA20	✓	✓	✓	✓
PA200		✓	✓	
PA210	✓	✓		✓
PA300	✓	✓		✓
SA10	✓	✓		✓



Ms

Monosaccharides

- Glucose
MA1 PA1 PA10 PA20 PA210 SA10
- Fructose
MA1 PA1 PA10 PA20 PA210 SA10
- Galatose
PA10 PA20 PA210 SA10
- Ribose
PA210
- Xylose
PA20 PA210 SA10



Do

Disaccharides

- Sucrose
MA1 PA1 PA10 PA20 SA10
- Maltose
PA10 PA20 SA10
- Lactose
PA1 PA10 PA210 SA10
- Lactulose
PA210
- Cellobiose
PA210 SA10



Su

Sugar alcohols

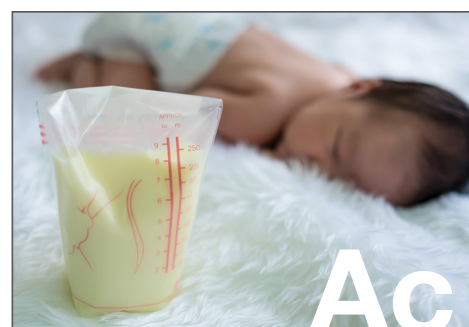
- Inositol
MA1 PA20 PA210 PA300
- Sorbitol
MA1 PA1 PA10 PA20 PA210 PA300
- Mannitol
MA1 PA1 PA10 PA20 PA210 PA300



An

Amines

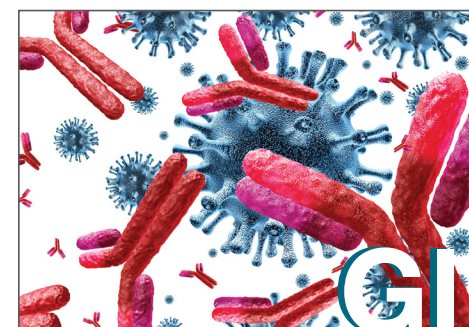
- Galactosamine
PA10 PA20 PA210
- Glucosamine
PA10 PA20 PA210
- N-acetylglucosamine (GlcNAc)
MA1



Ac

Acids

- 3-deoxy-D-glycero-D-galacto-2-nonulosonic acid (KDN)
PA10
- N-acetylneuraminic acid (Neu5Ac)
PA1 PA10 PA20 PA300 SA10
- N-glycolylneuraminic acid (Neu5Gc)
PA1 PA10 PA20 PA300 SA10



Gl

Glycans from glycoproteins

- Fetuin
PA10 PA200 PA300
- Monoclonal Antibody (MAb)
PA10 PA200
- Mucins
PA300



Oc

Oligosaccharides

- Galacto-oligosaccharides (GOS)
PA200 PA300
- Fructo-oligosaccharides (FOS)
PA10 PA200
- Raffinose
PA10 PA210
- Stachyose
PA10 PA210
- Verbascose
PA210



Ps

Polysaccharides

- Glycans (others)
SA10 PA200 PA300
- Starch
PA1 PA20 PA200 PA10
- Pectin
PA1 PA10 PA200
- Maltrin
PA1 PA10
- Inulin
PA1 PA10 PA200



Learn more at thermofisher.com/advancingcarbohydrates

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