

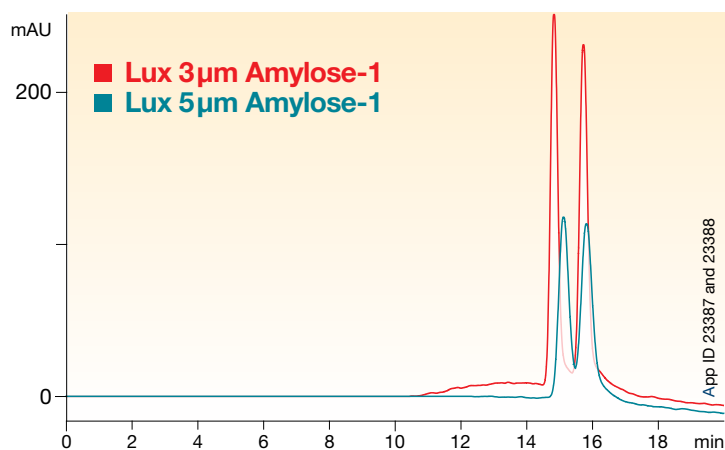
Seamless Particle Scalability Between 3 μ m and 5 μ m Lux[®] Amylose-1 Chiral Columns

Simon Lomas and Marc Jacob
Phenomenex, Inc., 411 Madrid Ave., Torrance, CA 90501 USA

Overview

The broad enantioselectivity of the Lux Amylose-1 makes it an essential stationary phase for anyone doing chiral chromatography, no matter the separation mode: Normal phase, reversed phase, polar organic, or SFC. With the addition of the 3 μ m Lux Amylose-1 particle size, high performance chiral screening can now easily take place on UHPLC, HPLC, and SFC instrumentation. Additionally, by ensuring that the Amylose-1 selectivity is kept consistent between particle sizes, separation power can easily be increased by scaling down to the 3 μ m, while large scale

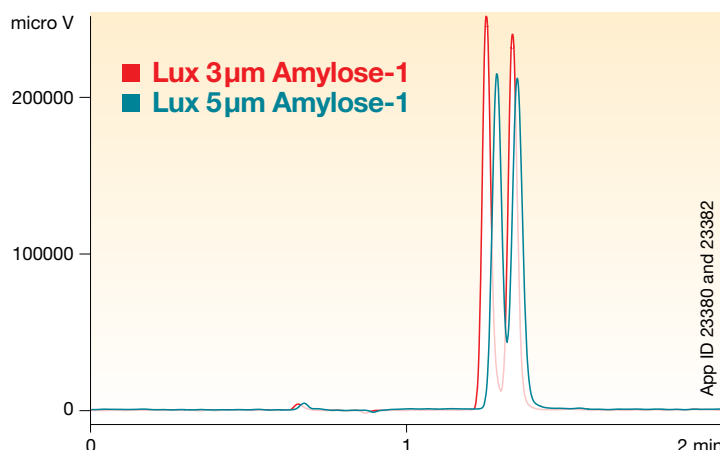
purifications can take place with 5 μ m particles in Axia preparative columns. Enclosed are two analytical illustrations, one normal phase and one SFC, that display this chiral selector consistency that results in easy method scalability between Lux Amylose-1 particle sizes.



Conditions for both columns:

Dimensions: 250 x 4.6 mm
Mobile Phase: 0.1% Diethylamine in Hexane/ 0.1% Diethylamine in Isopropanol (95:5)

Flow Rate: 1 mL/min
Detection: UV @ 254 nm
Temperature: Ambient
System: Agilent[®] 1100
Sample: Mebeverine



Conditions for both columns:

Dimensions: 150 x 4.6 mm
Mobile Phase: CO₂/Methanol with 0.5% TFA (80:20)
Flow Rate: 3 mL/min

Detection: UV @ 254 nm
Temperature: 30 °C
System: JASCO[®] 4000 Series Analytical SFC System
Sample: Fenoprofen



APPLICATION

Ordering Information

3 µm Minibore, MidBore™, and Analytical Columns (mm)								SecurityGuard™ Cartridges (mm)	
Phases	50 x 2.0	150 x 2.0	150 x 3.0	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	4 x 2.0*	4 x 3.0*
Amylose-1	00B-4729-B0	00F-4729-B0	00F-4729-Y0	00B-4729-E0	00D-4729-E0	00F-4729-E0	00G-4729-E0	AJO-9337	AJO-9336
								for ID:	2.0–3.0 mm 3.2–8.0 mm

5 µm Minibore, Analytical and Semi-Prep Columns (mm)							SecurityGuard™ Cartridges (mm)		
Phases	50 x 2.0	50 x 4.6	100 x 4.6	150 x 4.6	250 x 4.6	250 x 10.0	4 x 2.0*	4 x 3.0*	10 x 10.0†
Amylose-1	00B-4732-B0	00B-4732-E0	00D-4732-E0	00F-4732-E0	00G-4732-E0	00G-4732-N0	AJO-9337	AJO-9336	AJO-9344
							for ID:	2.0–3.0 mm 3.2–8.0 mm	9.0–16.0 mm

5 µm Axia™ Packed Preparative Columns (mm)					SecurityGuard™ Cartridges (mm)	
Phases	150 x 21.2	250 x 21.2	250 x 30	250 x 50	15 x 21.2**	15 x 30.0*
Amylose-1	00F-4732-P0-AX	00G-4732-P0-AX	00G-4732-U0-AX	00G-4732-V0-AX	AJO-9338	AJO-9339
					for ID:	18–29 mm 30–49 mm

* SecurityGuard Analytical Cartridges require holder, Part No.: KJ0-4282

† Semi-Prep SecurityGuard Cartridges require holder, Part No.: AJ0-9281

**HPLC PREP SecurityGuard Cartridges require holder, Part No.: AJ0-8223

SFC PREP SecurityGuard Cartridges require holder, Part No.: AJ0-8617

* HPLC PREP SecurityGuard Cartridges require holder, Part No.: AJ0-8277

SFC PREP SecurityGuard Cartridges require holder, Part No.: AJ0-8618

Australia

t: +61 (0)2-9428-6444
f: +61 (0)2-9428-6445
auiinfo@phenomenex.com

Austria

t: +43 (0)1-319-1301
f: +43 (0)1-319-1300
anfrage@phenomenex.com

Belgium

t: +32 (0)2 503 4015 (French)
t: +32 (0)2 511 8666 (Dutch)
f: +31 (0)30-2383749
beinfo@phenomenex.com

Canada

t: +1 (800) 543-3681
f: +1 (310) 328-7768
info@phenomenex.com

China

t: +86 (0)20 2282-6668
f: +86 (0)20 2809-8130
chinainfo@phenomenex.com

Denmark

t: +45 4824 8048
f: +45 4810 6265
nordicinfo@phenomenex.com

Finland

t: +358 (0)9 4789 0063
f: +45 4810 6265
nordicinfo@phenomenex.com

France

t: +33 (0)1 30 09 21 10
f: +33 (0)1 30 09 21 11
franceinfo@phenomenex.com

Germany

t: +49 (0)6021-58830-0
f: +49 (0)6021-58830-11
anfrage@phenomenex.com

India

t: +91 (0)40-3012 2400
f: +91 (0)40-3012 2411
indiainfo@phenomenex.com

Ireland

t: +353 (0)1 247 5405
f: +44 1625-501796
eireinfo@phenomenex.com

Italy

t: +39 051 6327511
f: +39 051 6327555
italiainfo@phenomenex.com

Luxembourg

t: +31 (0)30-2418700
f: +31 (0)30-2383749
nlinfo@phenomenex.com

Mexico

t: 001-800-844-5226
f: 001-310-328-7768
tecnicomx@phenomenex.com

The Netherlands

t: +31 (0)30-2418700
f: +31 (0)30-2383749
nlinfo@phenomenex.com

New Zealand

t: +64 (0)9-4780951
f: +64 (0)9-4780952
nzinfo@phenomenex.com

Norway

t: +47 810 02 005
f: +45 4810 6265
nordicinfo@phenomenex.com

Puerto Rico

t: +1 (800) 541-HPLC
f: +1 (310) 328-7768
info@phenomenex.com

Spain

t: +34 91-413-8613
f: +34 91-413-2290
espinfo@phenomenex.com

Sweden

t: +46 (0)8 611 6950
f: +45 4810 6265
nordicinfo@phenomenex.com

United Kingdom

t: +44 (0)1625-501367
f: +44 (0)1625-501796
ukinfo@phenomenex.com

USA

t: +1 (310) 212-0555
f: +1 (310) 328-7768
info@phenomenex.com

All other countries Corporate Office USA

t: +1 (310) 212-0555
f: +1 (310) 328-7768
info@phenomenex.com



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