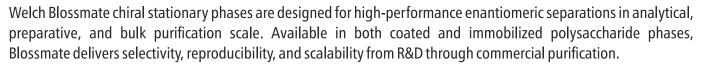


Blossmate Chiral Series





Blossmate Chiral Phase Overview

Welch Chiral Phase	Phase	Structure	Туре	Equivalent to
Blossmate Amy-D	Amylose tris (3,5-dimethylphenyl carbamate)	R= N CH ₃	Coated	AD
Blossmate Cellu-D	Cellulose tris (3,5-dimethylphenyl carbamate)	R= N CH ₃	Coated	OD
Blossmate Amy-S	Amylose tris ((S)-α-methylbenzyl carbamate)	R= N CH ₃	Coated	AS
Blossmate Cellu-J	Cellulose tris (4-methylbenzoate)	R= CH ₃	Coated	OJ
Blossmate Cellu-Z	Cellulose tris (3-chloro-4- methylphenyl carbamate)	R= NH CH ₃	Coated	OZ
Blossmate IMMA	Amylose tris (3,5-dimethylphenyl carbamate)	R= N CH ₃	Immobilized	IA
Blossmate IMMB	Cellulose tris (3,5-dimethylphenyl carbamate)	R= N CH ₃	Immobilized	IB
Blossmate IMMC	Cellulose tris (3,5-dichlorophenyl carbamate)	R= NH CI	Immobilized	IC
Blossmate IMMG	Amylose tris (3-chloro-5- methylphenyl carbamate)	R= NH CI	Immobilized	IG









Key Advantages

 Excellent Selectivity Polysaccharide-based CSPs provide superior recognition and

resolution across a wide range of chiral molecules.

• High Efficiency & Superior Separation Achieve strong peak shape, high plate count and consistent

reproducibility.

Available in analytical columns \rightarrow prep columns \rightarrow bulk media for Scale-Up Capability

seamless process development to production.

 SFC and HPLC Compatibility All Blossmate preparative column is compatible with SFC – no separate

hardware required.

Modes of Use

 Normal Phase (NP) Reversed Phase (RP)

• Polar Organic Supercritical Fluid Chromatography (SFC)

Important Guidance for Mode Switching (NP \rightarrow RP)

While Blossmate phases can operate in both NP & RP modes, once switched from NP \rightarrow RP, the same column should remain dedicated for RP use only.

Recommended Conditioning Before Switching

Test column in NP mode to confirm performance.

Flush with IPA at 0.25 mL/min (4.6 mm ID) for 20 minutes.

Then flush with methanol.

Transition to RP using aqueous methanol or aqueous acetonitrile.

Why Choose Blossmate for Chiral Purification?

Proven phase chemistry aligned with widely used global equivalents

Lower cost of operation compared to imported CSPs

Local support, faster supply & technical application guidance

✓ Scalable from method development → pilot → commercial purification

Free Chiral Method Screening Support

Share samples \rightarrow We evaluate on multiple Blossmate phases \rightarrow Recommend best separation phase and method conditions.

No cost. Fast turnaround.

Blossmate Chiral Phase Availability

Туре	ID (mm)	Length (mm)	Particle Size (μm)
Analytical	4.6	150/250	5 & 10
Preparative	10/21.2/30/50	250	5 & 10
Bulk Media	-	-	5 & 10

- All Blossmate preparative chiral columns are fully SFC-compatible.
- Need a different dimension? Custom sizes are available contact us.

