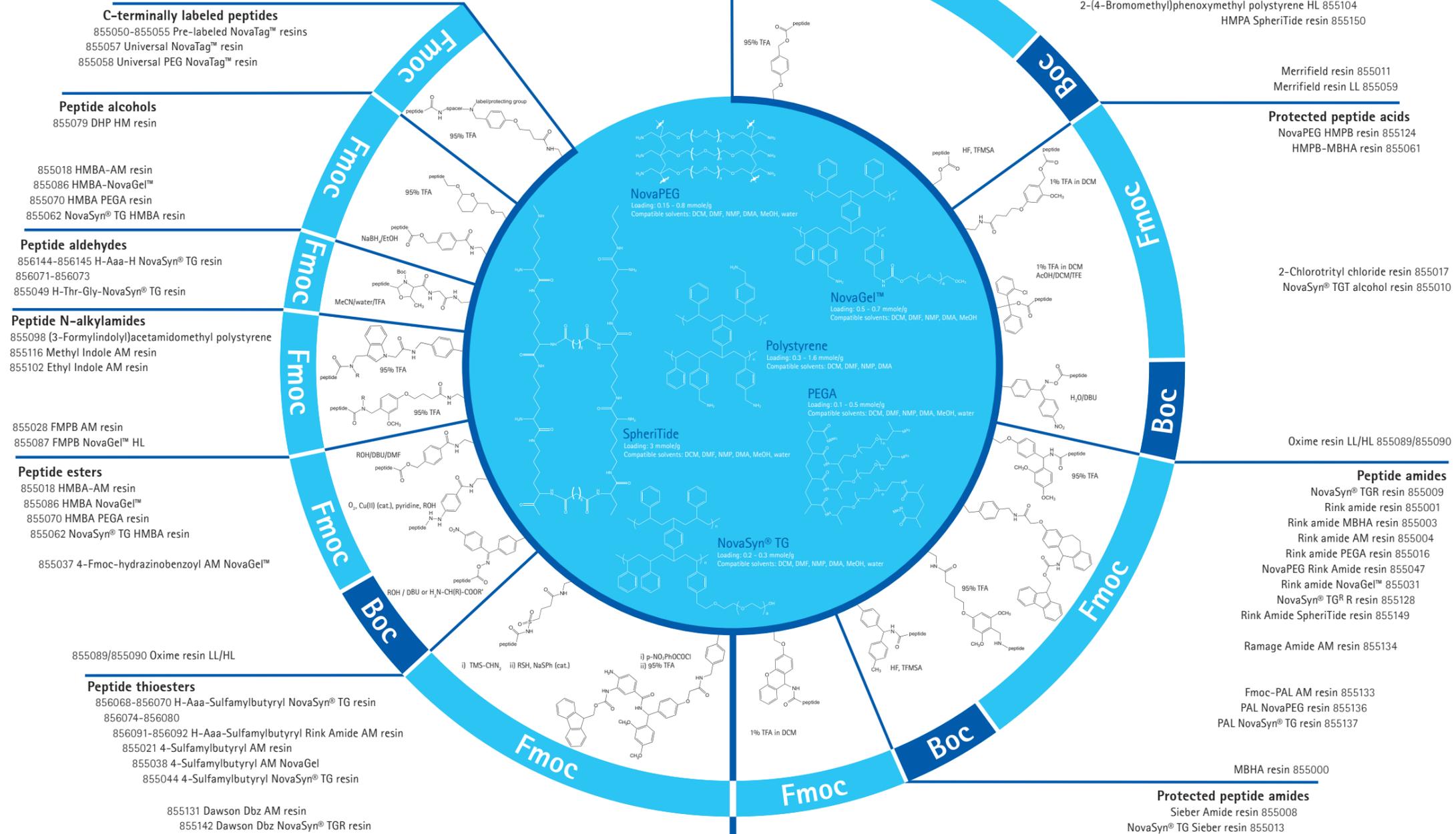


Novabiochem®

Guide to the Selection of Resins for Solid Phase Peptide Synthesis

www.merckmillipore.com/peptides



C-terminally labeled peptides
 855050-855055 Pre-labeled NovaTag™ resins
 855057 Universal NovaTag™ resin
 855058 Universal PEG NovaTag™ resin

Peptide alcohols
 855079 DHP HM resin

855018 HMBA-AM resin
 855086 HMBA-NovaGel™
 855070 HMBA PEGA resin
 855062 NovaSyn® TG HMBA resin

Peptide aldehydes
 856144-856145 H-Aaa-H NovaSyn® TG resin
 856071-856073
 855049 H-Thr-Gly-NovaSyn® TG resin

Peptide N-alkylamides
 855098 (3-Formylindolyl)acetamidomethyl polystyrene
 855116 Methyl Indole AM resin
 855102 Ethyl Indole AM resin

855028 FMPB AM resin
 855087 FMPB NovaGel™ HL

Peptide esters
 855018 HMBA-AM resin
 855086 HMBA NovaGel™
 855070 HMBA PEGA resin
 855062 NovaSyn® TG HMBA resin

855037 4-Fmoc-hydrazinobenzoyl AM NovaGel™

855089/855090 Oxime resin LL/HL

Peptide thioesters
 856068-856070 H-Aaa-Sulfamylbutyryl NovaSyn® TG resin
 856074-856080
 856091-856092 H-Aaa-Sulfamylbutyryl Rink Amide AM resin
 855021 4-Sulfamylbutyryl AM resin
 855038 4-Sulfamylbutyryl AM NovaGel
 855044 4-Sulfamylbutyryl NovaSyn® TG resin

855131 Dawson Dbz AM resin
 855142 Dawson Dbz NovaSyn® TGR resin

Peptide acids
 Wang resin 855002
 NovaSyn® TGA resin 855005
 NovaPEG Wang resin 855122
 HMPA-PEGA resin 855066
 HMPA NovaGel™ 855085
 (4-Bromomethyl)phenoxyethyl polystyrene 855027
 2-(4-Bromomethyl)phenoxyethyl polystyrene HL 855104
 HMPA SpheriTide resin 855150

Merrifield resin 855011
 Merrifield resin LL 855059

Protected peptide acids
 NovaPEG HMPB resin 855124
 HMPB-MBHA resin 855061

2-Chlorotrityl chloride resin 855017
 NovaSyn® TGT alcohol resin 855010

Oxime resin LL/HL 855089/855090

Peptide amides
 NovaSyn® TGR resin 855009
 Rink amide resin 855001
 Rink amide MBHA resin 855003
 Rink amide AM resin 855004
 Rink amide PEGA resin 855016
 NovaPEG Rink Amide resin 855047
 Rink amide NovaGel™ 855031
 NovaSyn® TG^R resin 855128
 Rink Amide SpheriTide resin 855149

Ramage Amide AM resin 855134

Fmoc-PAL AM resin 855133
 PAL NovaPEG resin 855136
 PAL NovaSyn® TG resin 855137

MBHA resin 855000

Protected peptide amides
 Sieber Amide resin 855008
 NovaSyn® TG Sieber resin 855013

	Bead size (µm)	Loading (mmole/g)	Application	Comments
Polystyrene	75 - 150	0.5 - 1.0	Routine and large scale synthesis	Most cost-effective but can fail on synthesis of difficult or long sequences
NovaSyn® TG	90	0.2 - 0.3	Research scale medium to long peptides	Pressure resistant, thus ideal for continuous flow
NovaSyn® TG ^R	90	0.2 - 0.3	Research scale medium to long peptides	Special formulation of NovaSyn TG resin which gives even better results for long peptides
PEGA	150 - 300	0.2 - 0.4	On-bead enzyme assays	Internal bead space accessible to many proteins
NovaGel™ (Champion)	75 - 150	0.6 - 0.8	Synthesis of medium length peptides	High-loading and high PEG content make it ideal for preparing medium-length peptides in quantity
NovaPEG (Chemmatrix)	75 - 100	0.4 - 0.6	Long or difficult peptides	Quality of long peptides excellent but yields often low
SpheriTide™	250 - 350	2.7 - 3.3	Large scale synthesis	Very high loading to swell ratio, thus saves on reagent and solvent usage