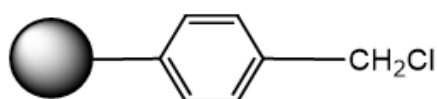


## 1. Description

Seplife® Chloromethyl Resin (Merrifield resin) is the standard support for the Solid Phase Peptide Synthesis (SPPS) of acid peptides by Boc strategy. The first amino acid is attached to Merrifield resins by nucleophilic displacement of chlorine. The resulting resin-substrate bond is stable in mild acids such as trifluoroacetic acid (TFA) and requires strong acid conditions for cleavage such as HF.

Currently, Merrifield resin is the support of choice for the preparation of the majority of the resins used for the Fmoc strategy.



## 2. Properties

Product	Seplife® Chloromethyl Resin (Merrifield resin)
Appearance	Off white or Light Yellow Beads
Type	Gel type resin functionalized with chloromethyl groups
Matrix	1% DVB/polystyrene
Substitution (mmol/g)	0.4-0.6 0.6-0.8 0.8-1.0 1.0-1.2 1.2-1.4 1.4-1.6 1.6 – 2.0 2.0 – 2.4 2.4 – 2.8 2.8 – 3.4 3.4 – 4.0
Particle size range (mesh/micron)	100-200 / 75-150
Shipped as	Dry

### 3 Storage

Seplife® Chloromethyl Resin (Merrifield resin) that is not for immediate use should be stored in dry form in a closed container at 0-35°C.

### 4. Transportation

Avoid sunlight, rain, and heavy pressure during transportation. It is strictly forbidden to transport together with toxic and hazardous materials. Product can be shipped at ambient temperature.

### 5. Ordering information

Product Name	References	Substitution (mmol/g)
Seplife® Chloromethyl Resin (Merrifield resin)	LXSS02-1-1201	0.4-0.6
	LXSS02-1-1202	0.6-0.8
	LXSS02-1-1203	0.8-1.0
	LXSS02-1-1204	1.0-1.2
	LXSS02-1-1205	1.2-1.4
	LXSS02-1-1206	1.4-1.6
	LXSS02-1-1207	1.6-2.0
	LXSS02-1-1208	2.0-2.4
	LXSS02-1-1209	2.4-2.8
	LXSS02-1-1210	2.8-3.4
	LXSS02-1-1211	3.4-4.0

*Production date: See label*

*Expiry date: 3 years, under proper storage conditions*

Manufacturer: Sunresin New Materials Co. Ltd.

Add: No. 135, Jinye Rd, Xi'an Hi-

tech Industrial Development Zone, Shaanxi, 710076, China

[www.seplite.com](http://www.seplite.com)    [www.sunresin.com](http://www.sunresin.com)

E-mail: info.lifescience@sunresin.com

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