

## 1. Description

Seplife® Hydroxyl Resin is a macroporous polystyrene resin functionalized with hydroxyl groups with uniform particle size and distribution of the active sites. It can be loaded with different linkers and different base types to produce any specific solid phase oligonucleotide synthesis (SPOS) resin. Seplife® Hydroxyl Resin is suitable for the synthesis of nucleotides with 20-30 base sequences.



## 2. Properties

Product	Seplife® Hydroxyl resin
Appearance	Off white or light yellow beads
Type	Macroporous resin functionalized with hydroxyl groups
Ligand	Hydroxyl (OH)
Matrix	Polystyrene
Substitution (micromol/g)	400-500 500- 600 Customized
Average Pore Size (nm)	30-60
Swelling in Toluene (ml/g)	5.0 – 7.0
Dry volume (ml/g)	2.0 – 3.0
Particle size range (micron)	50 - 100
Shipped as	Dry

3.Storage

Seplife® Hydroxyl Resin that is not for immediate use should be stored in dry form in a closed container at 2-8 °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 (μmol/g)
Seplife® Hydroxyl Resin	LXSSN1-045-00-01	400-500
	LXSSN1-045-00-02	500-600
	LXSSN1-045-00-03	Customized

*Production date: See label*

*Retest date: 1 year, under proper storage conditions*

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