

Agarose for Protein Separation

Safe and easy separation of large proteins and protein complexes.

Introduction

In some applications, electrophoresis of proteins in agarose gels has distinct advantages over polyacrylamide. Agarose gels can easily and effectively separate high molecular weight proteins and protein complexes (>600 kDa) with advantages in safety, efficiency and flexibility.

SeaKem® HE Agarose

A high EEO agarose that provides enhanced resolution in immunoelectrophoresis, crossed-immunoelectrophoresis, counter-immunoelectrophoresis, and serum protein electrophoresis.

Ordering Information:

Catalog No.	Size
50021	25 g
50020	125 g

SeaKem® HEEO Agarose

A very high EEO agarose useful in applications requiring significant cathodal migration, such as immunoelectrophoresis of IgG and IgM. May also be blended with lower EEO agarose to achieve a specific EEO value.

Ordering Information:

Catalog No.	Size
50031	25 g
50030	125 g

SeaKem® ME Agarose

An ideal alternative to polyacrylamide for serum protein electrophoresis.

Ordering Information:

Catalog No.	Size
50011	25 g
50010	125 g
50014	500 g

Larger package sizes for all agaroses are available upon request. Please inquire for pricing and availability.

Contact Information

Europe

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Analytical Specifications

	SeaKem® HE	SeaKem® HEEO	SeaKem® ME
Gelling temperature (1.5%)	34.5°C – 37.5°C	34.5°C – 37.5°C	34.5°C – 37.5°C
Gel strength (1%)	≥ 650 g/cm ²	≥ 650 g/cm ²	≥1000 g/cm ²
Gel strength (1.5%)	≥ 1500 g/cm ²	≥ 1500 g/cm ²	≥1800 g/cm ²
Electroendosmosis (-m _r)	0.23 – 0.26	≥ 0.30	0.16 – 0.19
Sulfate	≤ 0.20%	≤ 0.25%	≤ 0.20%
Moisture	≤ 10%	≤ 10%	≤ 10%
Ash	≤ 1.25%	≤ 1.5%	≤ 1.0%