

# Data sheet

## Agarose low EEO (Standard Agarose)

Cat. No: AG005  
Cat. No: AG006

### Introduction

Agarose is a neutral polysaccharide which is obtained in many purification steps from the cell wall of certain algae and red algae. Standard Agarose forms very clear gels with all standard running buffers and will result in a sharp and clear separation of your bio molecules. Extremely pure agarose with very low interference binding to staining reagents which produces a low background and high contrast appearance after staining.

### Specifications:

- ✓ Appearance: White, fine, homogeneous, free flowing.
- ✓ Electrophoresis grade
- ✓ Loss on Drying: 4.42%
- ✓ Melting Point (1.5%): 89.1°C
- ✓ Gel strength (1.5%): 3130 g/cm<sup>2</sup>
- ✓ Gelling temperature (1.5%): 36.4 °C
- ✓ Sulphate: 0.076%
- ✓ EEO(pH 8.4, Wieme Method): 0.12
- ✓ Ash: 0.37 %
- ✓ Guaranteed to be free of DNA binders, inhibitors, DNases, and RNases.

### PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development. Please refer to [www.canvaxbiotech.com](http://www.canvaxbiotech.com) for Material Safety Data Sheet of the product.

### Kit Contents

	AG005	AG006
Agarose Low EEO (C.A.S 9012-36-6)	100g	500g

### Storage and Stability

Store the agarose at room temperature (20 – 24 °C). Long-term storage may also be done at 4 – 8 °C. Protect from moisture. Light Sensitive.

### Applications:

- ✓ DNA/RNA separation > 1Kb
- ✓ Analytical and preparative electrophoresis
- ✓ Excellent for all blotting applications
- ✓ Excellent for DNA typing
- ✓ Exceptionally low background of staining agents
- ✓ Protein electrophoresis such as radial immunodiffusion

### Recommended Usage (TBE):

Concentration	Molecular Weight
1%	500bp-10kb
1.2%	350bp-7kb
1.5%	250bp-2kb