

Data sheet

AgaPure™ Agarose HR (High resolution)

Cat. No: AG008

Cat. No: AG009

Introduction

AgaPure™ Agarose HR (High resolution) is suitable for the separation of small DNA fragments and PCR products of between 20–800 bp. The **AgaPure™ Agarose HR** allows the separation of DNA fragments differing by a molecular weight of 2% and provides a good alternative to polyacrylamide electrophoresis. In addition, **AgaPure™ Agarose HR** has an excellent clarity of gels at a concentration of as high as 5%. This provides electrophoresis results of a very good clarity. The melting and gelling point of the agarose which have lower values when compared to LE Agarose Standard and are higher than Agarose LM (Low Melting Point).

Specifications:

- ✓ Appearance: White, fine, homogeneous, free flowing.
- ✓ Molecular Biology grade
- ✓ EEO ≤ 0.1
- ✓ Gel strength (1% gel) ≥ 750 g/cm²
- ✓ Fusion point (1.5% gel) ≤ 70°C
- ✓ Gelling point (1.5% gel) ≤ 33°C
- ✓ Ash ≤ 0.5%
- ✓ Moisture ≤ 10%
- ✓ Sulphate ≤ 0.1%
- ✓ Guaranteed to be free of DNA binders, inhibitors, DNases, and RNases.

Kit Contents

	AG008	AG009
Agarose HR	50g	100g

Storage and Stability

Store the agarose at room temperature. Protect from moisture. Light Sensitive.

Applications:

- ✓ Conventional and preparative electrophoresis of DNA and RNA fragments.
- ✓ Ideal for PCR product separations.
- ✓ Purification of DNA fragments from the gel for further molecular biology applications.
- ✓ Analysis of AFLP (*Amplified Fragment Length Polymorphisms*), STR (*Short Tandem Repeats*) and tri-/tetranucleotide repeats.

Notes:

For obtaining the best separation of DNA fragments, the following recommendations should be applied:

	DNA size range (bp)			
	200-800	100-600	50-400	20-200
Percent agarose concentration (1x TAE buffer)	2.0%	3.0%	4.0%	5.0%
Percent agarose concentration (1x TBE buffer)	1.8%	2.5%	3.0%	4.0%

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 for Material Safety Data Sheet of the product.