

DATA SHEET

Version: 03
Revision date: 27/03/2023

1. Identification

Product name	AgaPure™ Agarose HR (High resolution)
	50g
Cat. No.	AG008

2. Description

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).

3. Composition

Item	Quantity
AgaPure™ Agarose HR	50g

4. 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.

5. Storage specifications

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

6. 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.



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7. 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%

8. Further information

- Product** This product is developed, designed and sold exclusively only for research purposes use.
- Use** The product was not tested for use in diagnostics or for drug development, nor is it suitable
- Limitations** for administration to humans or animals.
- Disclaimer** The information provided in this Data Sheet is correct to the best of our knowledge and belief at the date of publication. This information is intended only as a guide and should not be taken as a warranty or quality specification. Canvax Reagents S.L.U. shall not be held liable for any damage resulting from handling or from contact with the above product.

