

DATA SHEET

Version: 03
Revision date: 27/03/2023

1. Identification

Product name **AgaPure™ Agarose Tablets (Standard Agarose)**
100 tablets

Cat. No **AGT002**

2. Description

AgaPure™ Agarose Tablets are packed in a convenient blister pack. Each Tablet contains a pre-determined amount of standard melting point agarose (0.5g), eliminating the need to weigh out loose agarose powder.

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. This is especially important to obtain sharp and well-defined DNA and/or RNA bands with the highest sensitivity in the low molecular weight range.

The high quality of agarose allows the good detection of small DNA bands size below 100 bp.

3. Composition

Item	Quantity
AgaPure™ Agarose Tablets	100T x 0.5g

4. Features

- ✓ DNase/RNase-free - for all nucleic acid separation.
- ✓ Exactly preweighed tablets - for convenient and time saving.
- ✓ Fast dissolving protocol.

5. Storage specifications

Store the agarose.
Tablet at room temperature.
Protect from moisture.

6. Applications

- ✓ DNA/RNA Electrophoresis
- ✓ Ideal for separating nucleic acids of a wide range of sizes
- ✓ Excellent for all blotting applications
- ✓ Purification of DNA fragments from the gel for further molecular biology applications
- ✓ Southern and Northern blotting
- ✓ Immunoelectrophoresis

7. Specifications

- ✓ Melting Point (1.5%): $88 \pm 1.5^\circ\text{C}$.
- ✓ Separation range: 100 bp to >30 kb.
- ✓ Product size: 100 tablets (0.5 g each).



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8. Further information

Product Use Limitations This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable 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.

9. Preparation of the gel

1. Use the bottle or flask that is at least 3 times of the volume of the solution being prepared.
2. Add an appropriate number of agarose tablets in the running buffer according to table below to achieve needed gel percentage and soak tablet in buffer for 3-4 minutes (or until it is dissolved) before heating.

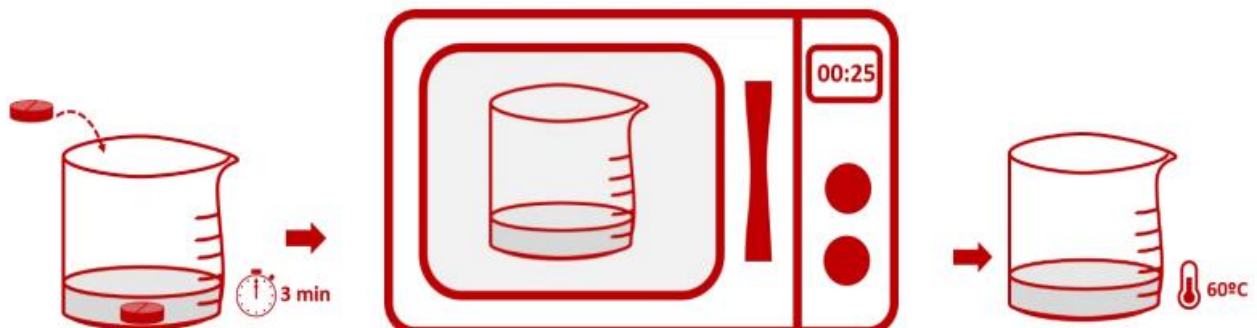
Ensure tablets break up entirely. Heating will render non-dispersed agarose particles insoluble.

3. Heat the solution until it is clear and visually all the particles are dissolved.
4. Cool the solution to 60-70°C.
5. If needed add DNA dye
6. Cast the gel following the instructions provided for your casting apparatus

Gel %	1 tablet	2 tablets	3 tablets
0.7%	71ml	143 ml	214 ml
1%	50 ml	100 ml	150 ml
1.2%	42 ml	83 ml	125 ml
1.3%	38 ml	77 ml	115 ml
1,5%	33 ml	66 ml	100 ml
1.8%	28 ml	56 ml	83 ml
2%	25 ml	50 ml	75 ml

Volumes are rounded up or down to the nearest whole ml

Recommended agarose percentage for DNA separation					
Gel%	0.7	0.9	1.2	1.5	2.0
Size (Kb)	10-0.8	7-0.5	6-0.4	4-0.2	3-0.1



Procedure: Add the appropriate number of tablets to your buffer, Incubate at room temperature for 3 minutes, Heat up in a microwave until melted completely, Cool down the agarose to 60°C and then prepare your gel as normal.

