

DATA SHEET

Version:03
Revision date: 27/03/2023

1. Identification

Product name **PFGE Agarose**
50g

Cat. No: **AG002**

2. Description

Pulsed-field gel electrophoresis (PFGE) is a highly discriminative molecular typing technique, based upon the variable migration of large DNA fragments in an electrical field of alternating polarity.

Canvax's PFGE Agarose is a high gel strength agarose, designed to separate high molecular weight DNA at lower concentrations. This agarose can also be used for general nucleic acid separation and has an exceptionally low absorption of staining agents.

3. Composition

Item	Quantity
PFGE Agarose (C.A.S 9012-36-6)	50g

4. Specifications

- Gel strength (1%): ≥ 1800 g/cm²
- Gel strength (1.5%): ≥ 3200 g/cm²
- Gelling temperature (1.5%): 36 ± 1.5 °C
- Sulphate: $\leq 0.10\%$
- EEO: 0.12
- Guaranteed to be free of DNA binders, inhibitors, DNases, and RNases

5. Storage specifications

Store at room temperature. Opened bottles should be capped tightly and kept in a low humidity environment.

For greater separation capacity, keep the gel at 4°C for 1 hour before use.

6. Applications

- Pulsed Field Gel Electrophoresis
- Conventional Electrophoresis: can be used in a wide range of concentrations.
- Immunoelectrophoresis.
- Blotting Assays (Southern, Northern).

7. Further Information

Product Use 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.

Limitations

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.

