



gelification services



we make it simple



BIOFOOLS

are you in this situation?

- You must store raw materials and products at -20°C
- You need multi-temp cold warehousing
- You spend much money to maintain unbroken cold-chain
- Delay in deliveries may affect product integrity
- You have to pay extra rates for bulky packages and for air cargo services
- Your customers must handle your products in cold conditions



why not make it simple? It could be as simple as this...

for your current product
without further lab developments

your product in Gel format

and your company can benefit from all these advantages

Convenient storage and shipment conditions

- Shipments are transported at room temperature
- Storage at 4°C
- No cold packaging materials

Advantage Manufacturing

- Manufacturing of gelified products under your control
- Outsourcing
 - Manufacturing under compliance with the highest standard of quality
 - GMP manufacturing
 - ISO 9001-2008 certificate
 - Manufacturing CE marked products
 - IVD manufacturing and processing
- Format adapted to each need
- Easily adapted for high-throughput screening

Cost-effective

- Save your money by
 - Reducing packaging size
 - Lighter packages
- Retained product integrity despite shipments delayed
- Efficient use of time and materials
- Saving in labor cost

Environmental care

- Eco-efficiency resources for industry
- Reducing packaging and consumables reduces waste

Improve your sales

- Reach profitable new market segments
- Increase your target market
- Achieve brand differentiation

advantages for your customer...



Less set-up time

- All-in-one-format: Everything needed for your reaction is included in the tube
- Simply add template and water

Less errors

- Minimal handling steps
- Less risk of contamination
- Minimal pipetting steps

Cost-effective

- Minimal budget for consumables
- Non-existence of physical separation between working areas

Convenient store and shipment conditions

- Shipping and handling at room temperature
- Store at 4°C
- Possibility of field experiments
- Less reagents in stock
- Less storage space

Additional features

- Hot Start in every reactions, at user's will
- Specially designed for high-throughput screening
- Minimal intra- and inter-assay variation

what is the Gelification Technology?

Gelification is a partial dehydration process used to preserve or stabilise components of biological reactions at room temperature by addition of stabilising agents.

This process does not alter protein structures and interaction between reagents are avoided until reaction is activated by the end user.

This technology, patented by Biotools, has many applications in reactions or process used in Molecular Biology, diagnosis, research and development.

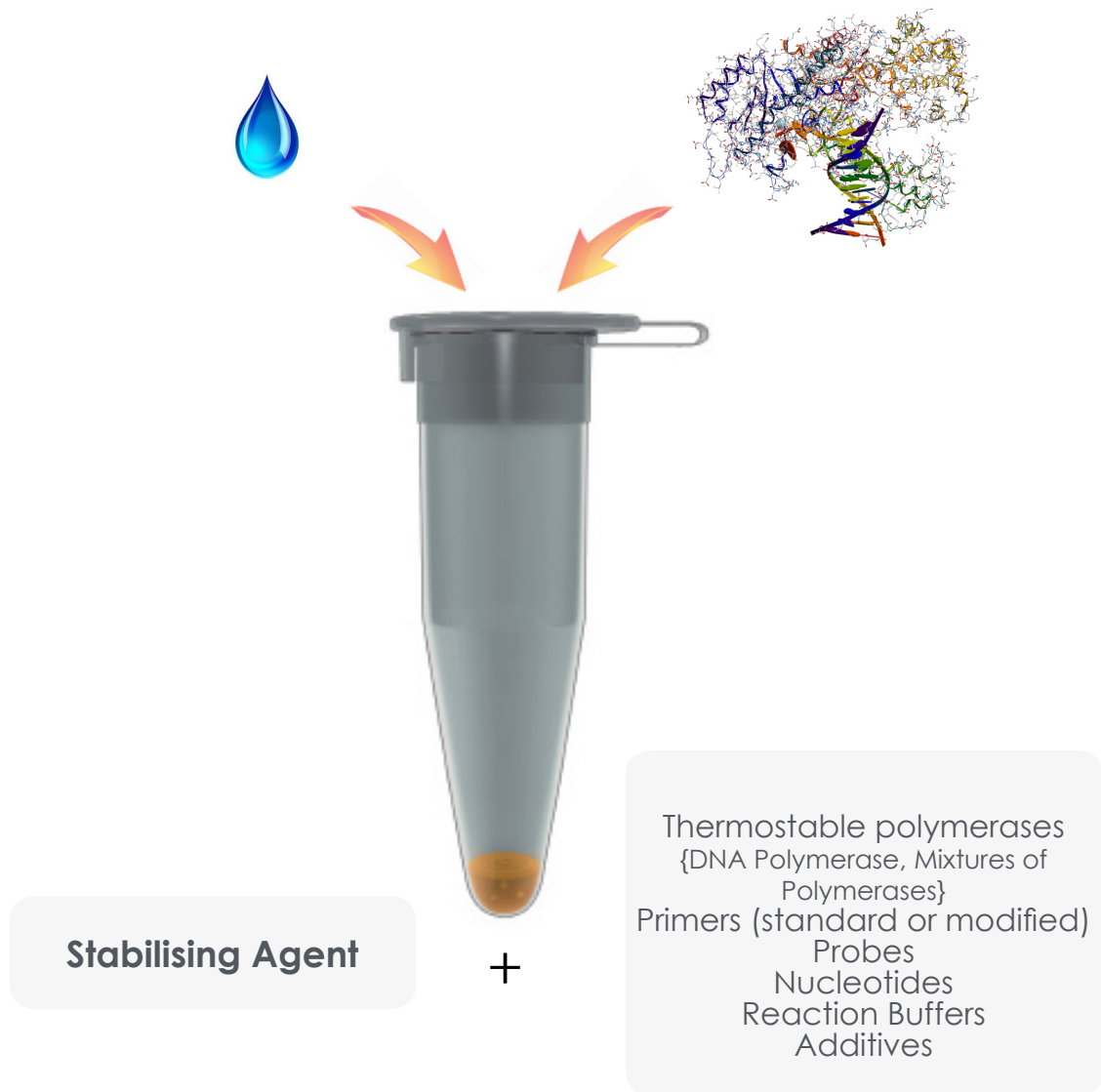
our technology has been successfully validated for stabilising:

- Nucleic acids amplification (single and multiplex PCR, qPCR, RT-PCR, qRT-PCR)
- First-strand cDNA synthesis
- Hybridisation, ligation, sequencing and restriction assays
- Primers extension
- Primer/probe labelling
- Enzymes and antibodies stabilisation
- Primers (standard or modified) stabilisation
- Labelled probes stabilisation:
 - Molecular Beacon probes
 - FRET probes
 - Taqman® probes
 - Scorpions™ probes
 - ZEN™ double-quenched probes

methodology: example for a PCR

Step 1: Receive your customised gel mixture

Step 2: Add H₂O and the template



minimal set-up time

If you are interested in a customised gel reaction/kit, contact us at: info@biotools.eu

More information at: www.biotools.eu/our_stabilization.html

