Cat. #603

GoGel™ Agarose Gel Pack

Introducing the EDVOTEK® **GoGel™Agarose Gel Pack** – the *perfect solution* for the busy biotechnology teacher. Our innovative, single use gel packs are designed for ease and convenience, containing meltable 0.8% agarose gel, mixed with TAE buffer, and SYBR® Safe DNA Stain. To prepare the gel, just tear open the pack, squeeze the gel into a microwave safe container, and heat until the solid melts. Allow to cool to 60°C before pouring into the gel casting system. With GoGel™, you'll have a hassle free gel preparation experience!

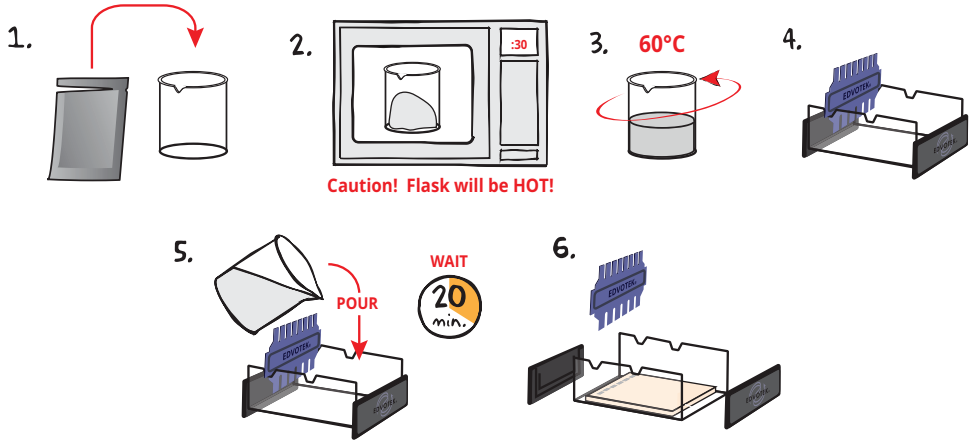
Each pack contains 45 mL of 0.8% agarose gel in 1X TAE with SYBR® Safe fluorescent DNA stain, making these gel packs a *perfect partner* for our EDGE™ and traditional electrophoresis systems.

Casting the GoGel™

10 Gel Packs per order.
50x TAE concentrate sold separately.

YOU WILL NEED:

- An EDVOTEK® GoGel™ pack *(which contains 45 mL of prepared agarose gel in 1X electrophoresis buffer with SYBR® Safe fluorescent DNA stain)*
- Diluted electrophoresis buffer
- An electrophoresis chamber like the EDVOTEK® EDGE™ *(our all-in-one electrophoresis system)* and micropipettes
- Samples for the experiment



Watch our EDVOTEK® Instructional Video:

Performing Electrophoresis Using GoGel™ Packs

1. **TEAR** open the foil GoGel™ tube and **SQUEEZE** the contents into a microwave-safe container.

- One 7 x 7 cm agarose gel uses 30 mL of gel. You will need one (1) GoGel™ pack. *There will be 15 mL molten agarose left.*
- One 7 x 10 cm agarose gel uses 45 mL of gel. You will need one (1) GoGel™ pack. *There will be no molten agarose left.*
- One 7 x 14 cm agarose gel uses 60 mL of gel. You will need two (2) GoGel™ packs. *There will be 30 mL of molten agarose left.*

2. **MELT** the agarose by boiling the gel. **MICROWAVE** the solution on high for 30 seconds. **REMOVE** the container from the microwave and **MIX** by swirling the flask. Continue to **HEAT** the solution in 15-second bursts until the agarose is completely dissolved (the solution should be clear with no chunks).

3. **COOL** the agarose to 60°C with careful swirling to promote even dissipation of heat.

4. While the agarose is cooling, **SEAL** the ends of the gel-casting tray with the rubber end caps. **PLACE** the well template, or comb, in the appropriate notch.

5. **POUR** the cooled agarose solution into the prepared gel-casting tray. The gel should thoroughly solidify within 20 minutes. The gel will stiffen and become less transparent as it solidifies.

6. **REMOVE** end caps and comb. **PLACE** the gel tray into the electrophoresis chamber and **ADD** buffer. Now you are ready to **LOAD** the DNA samples and **RUN** your gel!