



Learning Lab Companion Kit



KT-1510-01

Kit contents:

- 1.7 ml microtubes (50)
- 0.2 ml PCR tubes (100)
- TBE electrophoresis buffer powder (5.1 g)
- SeeGreen™ All-in-One Agarose Tabs™ (8)

General instructions for preparing TBE buffer and casting agarose gels can be found on the back of this card. These instructions are optimized for electrophoresis systems made by miniPCR bio™.

Specific instructions for each Learning Lab™ can be found on the Instructor's Guide downloadable from the product page at www.minipcr.com.

How to prepare 1X TBE buffer from powder

Instructions for making 600 ml (RG-1502-04)

Prepare ahead of class. Dissolving takes 10-15 minutes.

- Empty container of TBE powder (5.1 g) into a glass beaker or bottle
- Add 600 ml of deionized or distilled water
- Shake or stir until powder is dissolved (10-15 minutes)
- If needed, warm the solution to help powder dissolve

Notes:

- It is normal for some powder to remain undissolved after 15 min; this will not affect performance
- 1X TBE buffer is good for 3 months if stored in a closed container at room temperature



Detailed instructions



Casting a gel with SeeGreen™ All-in-One Agarose Tabs™

Instructions for making a 20 ml 2% agarose gel

- Combine one All-in-One Agarose Tab™ with 20 ml distilled water at room temperature
- Soak and swirl until tab disintegrates (~2-3 minutes)
- Microwave 1 min or until solution is clear and free of particles
- Pour solution into casting platform with tray and comb
- Allow ~10 min until gel cools and feels solid to touch
- Transfer gel in tray to blueGel™ chamber
- Cover gel with 30 ml of 1X TBE buffer to run

Notes:

- To make other gel percentages, read instructions inside the box of SeeGreen™ All-in-One Tabs™
- Once cool, gels can be stored for 3 days in airtight container protected from light and not soaked in buffer



Detailed instructions & video

