

SeeGreen™

ALL-IN-ONE AGAROSE TABS

with TBE

Cat. No.	Pack Size	Lot. No.
RG-1500-20	20 pcs.	436975881023
RG-1500-21	8 pcs.	Retest date 15 Nov 2023

Storage:

Room temperature, protected from light.

Description:

SeeGreen™ All-in-One Agarose Tabs with TBE contain everything necessary to prepare agarose gels in any desired percentage, and for the visualization of nucleic acids under blue light (~460-480 nm) or UV (~250 nm). SeeGreen™ Complete Agarose Tabs are optimized to yield high resolution, sharp DNA or RNA bands with high sensitivity and low background within a 1% to 3% range of agarose concentrations.

SeeGreen™

ALL-IN-ONE AGAROSE TABS

with TBE

Cat. No.	Pack Size	Lot. No.
RG-1500-20	20 pcs.	436975881023
RG-1500-21	8 pcs.	Retest date 15 Nov 2023

Storage:

Room temperature, protected from light.

Description:

SeeGreen™ All-in-One Agarose Tabs with TBE contain everything necessary to prepare agarose gels in any desired percentage, and for the visualization of nucleic acids under blue light (~460-480 nm) or UV (~250 nm). SeeGreen™ Complete Agarose Tabs are optimized to yield high resolution, sharp DNA or RNA bands with high sensitivity and low background within a 1% to 3% range of agarose concentrations.

Composition:

Each SeeGreen™ All-in-One Agarose Tab contains:

- Standard melting point agarose (0.4 g)
- SeeGreen™ Nucleic Acid Stain
- TBE powder (0.34 g)

Features:

- Ideal for routine DNA and RNA gel electrophoresis and blotting assays
- Direct in-gel staining with low background
- Outstanding sensitivity. 0.2 ng (DNA) or 1 ng (total RNA)
- Detection of small bands below 100 bp
- Convenient tablet format—no messy weighing required
- Fast dissolving

SeeGreen™ Nucleic Acid Stain is a highly sensitive green fluorescent stain for the safe visualization of DNA and RNA in agarose gels using UV or blue light. It has two fluorescent excitation maxima of ~250 and ~482 nm, and an emission maximum of ~509 nm. The purity of the agarose results in excellent transparency and low background for sharp and well-defined bands across a broad range of molecular weights.

Composition:

Each SeeGreen™ All-in-One Agarose Tab contains:

- Standard melting point agarose (0.4 g)
- SeeGreen™ Nucleic Acid Stain
- TBE powder (0.34 g)

Features:

- Ideal for routine DNA and RNA gel electrophoresis and blotting assays
- Direct in-gel staining with low background
- Outstanding sensitivity. 0.2 ng (DNA) or 1 ng (total RNA)
- Detection of small bands below 100 bp
- Convenient tablet format—no messy weighing required
- Fast dissolving

SeeGreen™ Nucleic Acid Stain is a highly sensitive green fluorescent stain for the safe visualization of DNA and RNA in agarose gels using UV or blue light. It has two fluorescent excitation maxima of ~250 and ~482 nm, and an emission maximum of ~509 nm. The purity of the agarose results in excellent transparency and low background for sharp and well-defined bands across a broad range of molecular weights.

Protocol:

1) Soak one or more SeeGreen™ All-in-One Agarose Tabs in distilled water per the table below. (For other agarose percentages, adjust water volume proportionally). Use a container at least three times larger than the desired gel volume.

Gel %	Per 1 Tab	Yield (no. of gels)
1.0 %	40 ml distilled water	2 blueGel gels or 1 GELATO large gel
1.5 %	27 ml distilled water	2 blueGel gels or 1 GELATO large gel
2.0 %	20 ml distilled water	1 blueGel gel or 1 GELATO small gel

2) Swirl ~3 minutes until Tab is fully dissolved.

3) Heat the solution until it is clear and all particles are dissolved (typically 30-40 seconds per 20 ml gel in a high-power microwave). Cool briefly to 60-70°C.

DO NOT add any DNA stain. Cast into the gel tray.

Run the gel in 1X TBE buffer.

Protocol:

1) Soak one or more SeeGreen™ All-in-One Agarose Tabs in distilled water per the table below. (For other agarose percentages, adjust water volume proportionally). Use a container at least three times larger than the desired gel volume.

Gel %	Per 1 Tab	Yield (no. of gels)
1.0 %	40 ml distilled water	2 blueGel gels or 1 GELATO large gel
1.5 %	27 ml distilled water	2 blueGel gels or 1 GELATO large gel
2.0 %	20 ml distilled water	1 blueGel gel or 1 GELATO small gel

2) Swirl ~3 minutes until Tab is fully dissolved.

3) Heat the solution until it is clear and all particles are dissolved (typically 30-40 seconds per 20 ml gel in a high-power microwave). Cool briefly to 60-70°C.

DO NOT add any DNA stain. Cast into the gel tray.

Run the gel in 1X TBE buffer.

- The thickness of gel should be <0.5cm.
- Detect the bands under blue light or UV illuminator.

Safety:

Exert caution when using hot, viscous solutions. Use suitable safety gear.

SeeGreen™ Nucleic Acid Stain is non-carcinogenic and causes significantly fewer mutations than ethidium bromide in the Ames test. Safety Data Sheets are available at miniPCR.com.

SeeGreen™ Nucleic Acid Stain is compatible with GELATO™ and blueGel™ electrophoresis, blueBox™, and other blue-light transilluminators (460-480 nm). It is also compatible with UV light.

We recommend wearing gloves while handling.

miniPCR bio

miniPCR bio™

1770 Massachusetts Avenue, Cambridge MA, USA
support@minipcr.com, www.minipcr.com

- The thickness of gel should be <0.5cm.
- Detect the bands under blue light or UV illuminator.

Safety:

Exert caution when using hot, viscous solutions. Use suitable safety gear.

SeeGreen™ Nucleic Acid Stain is non-carcinogenic and causes significantly fewer mutations than ethidium bromide in the Ames test. Safety Data Sheets are available at miniPCR.com.

SeeGreen™ Nucleic Acid Stain is compatible with GELATO™ and blueGel™ electrophoresis, blueBox™, and other blue-light transilluminators (460-480 nm). It is also compatible with UV light.

We recommend wearing gloves while handling.

miniPCR bio

miniPCR bio™

1770 Massachusetts Avenue, Cambridge MA, USA
support@minipcr.com, www.minipcr.com