Email : sales@scilabexport.com
Phone: +91-7082934803

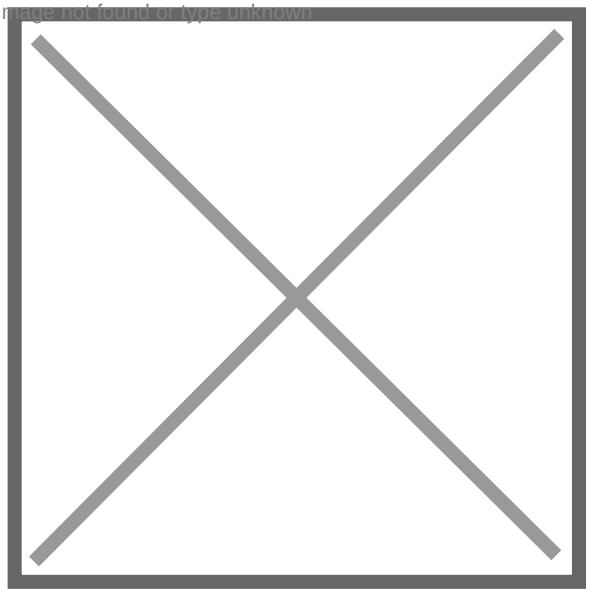
Product Name :

Boric Acid

Product Code :

SCL372/090

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Science Lab
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Description :

Boric Acid is a weak acid supplied as an analytical reagent in a 500 gm pack with an MSDS. College biotechnology labs weigh it into borate buffers such as TBE for DNA gel electrophoresis. School biology classes add a trace of it to sugar solution, making a medium on which fresh pollen grains germinate and grow pollen tubes.

Boric acid grade and pack

Parameter	Detail
Product	Boric Acid
Chemical type	Weak acid
Grade	Analytical reagent
Pack capacity	500 gm
Documentation	Supplied with MSDS
Product code	SCL372/090
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Pollen media and borate buffers made with boric acid

Pollen germination on a slide. Dissolve sucrose in distilled water and add a trace of boric acid. Place a drop in a cavity slide, dust fresh pollen onto it and keep the slide in a covered Petri dish lined with damp paper. Check it under the microscope at intervals beside a slide with no boric acid.

Measuring tube growth. Fit an eyepiece micrometer to the microscope and measure the longest tubes on each slide at set times. Students tabulate the mean length and compare media with and without boric acid, or with different sugar strengths, and check what they see against prepared slides of germinating pollen grains.

Making TBE buffer. Weigh the Tris, boric acid and EDTA on a digital analytical balance, dissolve them in distilled water and make the solution up to its final volume. Check the pH, dilute the stock to running strength and pour it into the gel electrophoresis apparatus so it covers the gel.

Frequently Asked Questions About the Boric Acid

Why do crystals form in a concentrated TBE stock bottle?

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