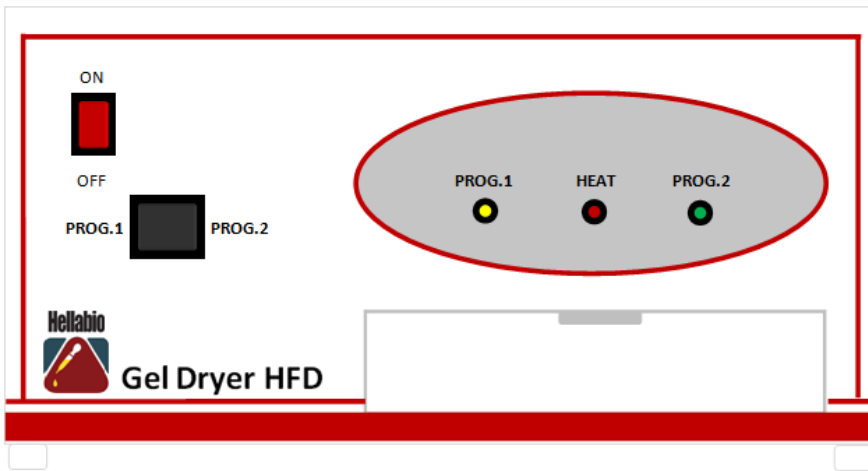




...means electrophoresis

Gel Dryer HFD

Users manual



Serial No: N2119

TÜV
AUSTRIA
HELLAS



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1. Introduction

This manual contains information and warnings, which must be followed to ensure safe operation and retain the Dryer in safe condition.



Warning

READ "SAFETY PRECAUTIONS" BEFORE USING, INSTALLING OR MAINTENANCE THE INSTRUMENT

The Hot Air Gel Dryer is ideal for drying agarose gels up to 12X15 cm. The Dryer is easy to use and produces high-quality results. The temperature in the chamber is ideal for quick drying of the gel, without causing curvature in the film. The dried gels are ideal for densitometry.

Unpacking and Inspection

The packing should include the following items:

1. Gel Dryer
2. Power line cord
3. Instructions manual

Please check to see that all of the above items are included.

Safety Precautions

The device is capable of delivering hazardous voltages to the life of the operator. This manual contains important information on the use and safety of the operator and must be read with great care. Although care has been taken to ensure that the device is safe, caution should always be exercised due to high voltages.

- I. *DO NOT touch the gel Drier outlets with bare fingers, or with a metallic object. Always be with a second person in the area in case of an accident.*
- II. *DO NOT make other connections, except those recommended in the manual.*
- III. *DO NOT disassemble the device for any reason. **Electric shock hazard!***
- IV. *DO NOT expose the device to rain or other liquids.*
- V. *DO NOT close the ventilation holes. Risk of overheating or fire.*
- VI. *Avoid dropping the device. The device is heavy and there is a risk of damaging various components. If the device falls of the workbench, DO NOT turn it on, if the device is not checked by an authorized technician.*
- VII. *Do not place the device near or above heat sources.*
- VIII. *Do not expose the device directly to solar radiation.*

Safety Symbols



Important safety information, refer to the operating manual.



AC – alternating current.



Earth ground.



Caution! Hot surface. Avoid contact.



Conforms to European Union directives

2. Operation



Warning

TO AVOID ELECTRIC SHOCK OR PERSONAL INJURY, READ “SAFETY PRECAUTIONS” BEFORE OPERATION.

Before making any operation always examine the AC Gel Dryer and accessories used with it for damage and defects. Examine the test leads for cracked or frayed insulation and make sure the lead plugs fit snugly into the output jacks. If any abnormal exist do not attempt to make any operation.

Introduction

The device is designed for electrophoresis applications. Do not use it for any other purpose.

Programs and features of the device

PROG.1: Gel drying program

THERM: Heating function

PROG.2: Film drying program

Operating procedure:

- During the electrophoresis procedure preheat the gel dryer (\approx 20 minutes)
- Turn **ON** the switch and select **PROG.1**
- Automatically the temperature increases in about 80-85 °C.
- After electrophoresis procedure **a)** gently pull out the film holder, **b)** Let the film in horizontal position.
- Push in the film holder. Drying duration: 12-14 minutes
- After the gel drying pull out the gel holder and remove the film from the dryer.
- Turn the switch to **PROG.2**.
- After the staining-destaining procedure repeat step **d** for drying the film.

3. Technical problems

If there are technical problems, you can initially do the following first checks:

1. If the device **DOES NOT** work at all.
 - **Check the plug with another device.**
 - **Check for blown fuse in the power cord socket.**
2. If the device lights up but does not respond.
 - **Turn off the device for 1 minute and turn it on again.**

If none of the above helps, you should immediately contact the seller or manufacturer for repairing your device.

4. Specifications:

Serial No.	N2119
Operating voltage:	12Vac. +/-10%
Resistor power:	100 Watt
Operating temperature:	50 - 87 °C
Dimensions (WxDxH)	21x25x16 cm
Drying chamber:	12 x 15 cm
Weight:	4.9 Kg