

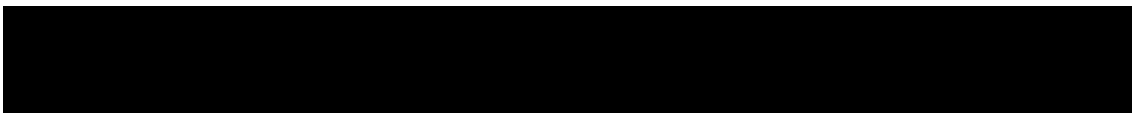
Thermo Fisher Scientific

# **Heraeus Multifuge X3 F Heraeus Multifuge X3 FR**

## **Instruction manual**

50117505-3

February 2011



# IMPORTANT!

Please reference this page for the most up-to-date information on the following\*

- £ web site addresses
- £ contact information
- £ copyright and trademark information

*\*All subsequent pages in this manual may have incorrect web site addresses and contact information.*

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Preface .....







- The lid emergency release may be used in emergencies only to recover the samples from the





## **1 Introduction and Description**

Characteristics of the Heraeus Multifuge X3 F / X3 FR

# **Characteristics of the Heraeus Multifuge X3 F / X3 FR**

The Heraeus Multifuge X3 F / X3 FR is an in-vitro diagnostics device according to the In-Vitro













4. Remove the protectors that locate the centrifuge on the pallet. Release the castors. Use several people in order to roll the centrifuge off the pallet.

5. Fix the castors once the centrifuge is in its final position.

## Transporting the Centrifuge

- Due to its weight (see “[Technical Data](#)” on [page 1-3](#)), the centrifuge should be carried by several •



## 2 Before use

Storage

# Control Panel

## Contents

- “Control Panel” on page 3-2
- “Keys” on page 3-2

## Control Panel

The control panel contains the keys and displays of the centrifuge (only the power switch is located on the back of the device). All parameters can

# Operation

## Contents

- “Switch on Centrifuge” on page 4-2
- “Lid Opening” on page 4-2
- “Rotor Installation” on page 4-2
- “Entering Parameters” on page 4-4
- “Centrifugatio25ts”







TOGGLE key to toggle between the two modes.







The default value is marked accordingly. You can either confirm the default value by pressing



Check the loading and start the centrifuge once again. See the information on proper loading in the rotor instruction manual. For information on troubleshooting, see section “[Troubleshooting by User](#)” on [page 7-3](#).

## Removing the Rotor

To remove the rotor, proceed as follows:

1. Open the centrifuge lid.
2. Grab the rotor handle with both hands and press against the green AutoLock

## Aligning the Centrifuge







## Maintenance and Care

### on Contents

- “Cleaning Intervalls” on page 6-2
- “Cleaning” on page 6-2
- “Disinfection” on page 6-3
- “Decontamin5



Clean centrifuge and accessories as follows:

1. Open the centrifuge.
2. Turn off the centrifuge.
3. Pull out the power supply plug.









## Mechanical Emergency Door Release

During a power failure, you will not be able to open the centrifuge lid with the regular electric lid release. A mechanical override is provided to allow sample recovery in the case of an emergency.

















Phenol (50%)

U S U - S U M - S U M U U U U U S U M U U S U U U M S

Phosphoric Acid (10%)

U U M S S S U S S S S U - S S S S S S S S S U M U S S

Phosphoric Acid (conc.)

## A Chemical Compatibility Chart

Hydrogen Peroxide (10%)	U	U	M	S	S	U	U	-	S	S	S	U	S	S	S	M	U	S	S	S	S	S	M	S	U	S	
Hydrogen Peroxide (3%)	S	M	S	S	S	-	S	-	S	S	S	S	S	S	S	M	S	S	S	S	S	S	S	S	S	S	S
Xylene	S	S	U	S	S	S	M	U	S	U	U	U	U	U	M	U	M	U	U	U	S	U	M	S	U	S	
Zinc Chloride	U	U	S	S	S	S	U	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	U	S	S	S

Chemical resistance data is included only as a guide to product use. No organized chemical resistance data exists for materials under the stress of centrifugation. When in doubt we recommend pretesting sample lots.









