

AS/NZS 2243.5:2004

AS/NZS 2243.5

Australian/New Zealand Standard™

Safety in laboratories

Part 5: Non-ionizing radiations— Electromagnetic, sound and ultrasound

AS/NZS 2243.5:2004

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CH-026, Safety in Laboratories. It was approved on behalf of the Council of Standards Australia on 27 November 2003 and on behalf of the Council of Standards New Zealand on 23 February 2004. It was published on 4 March 2004.

The following are represented on Committee CH-026:

Australian Industry Group
Australian Institute of Occupational Hygienists
CSIRO
Department of Labour, New Zealand
Department of Primary Industries (Victoria)
Independent Chairman
Ministry of Economic Development, New Zealand
National Association of Testing Authorities, Australia
The New Zealand Chemical Industry Council
New Zealand Microbiological Society
Victorian WorkCover Authority
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Additional interests participating in the preparation of this Standard:

Australian Radiation Protection and Nuclear Safety Agency
Queensland University of Technology
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Western Sydney Area Health Service

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PREFACE

This Standard was prepared by Standards Australia/Standards New Zealand Committee CH-026, Safety in Laboratories, to supersede AS 2243.5—1993, *Safety in laboratories Part 5: Non-ionizing radiations*.

The setting of exposure criteria is not conducted by Standards Australia or Standards New Zealand. Such criteria are set by regulations or organizational policy. They may be found in the occupational health and safety or related regulations that are applicable for the workplace under assessment. Where limits are reproduced in this Standard, they are provided as an example for guidance only and the source is indicated. Readers are requested to ascertain the appropriate regulatory body for their circumstances and check with it for the current requirements or recommendations to be applied.

This revision includes the following modifications:

- (a) Clarification that field work outside the laboratory and exposures of persons for medical purposes are excluded.
- (b) Differentiation between direct and indirect hazards for ultraviolet, visible and laser radiations.
- (c) Revised text on the various types of radiation and updated references to Standards and other documents where various types of radiation are addressed in more detail.
- (d) Clarification of the source of any limits quoted in this Standard and their status.

This Standard is the fifth in the AS/NZS 2243 series aimed at promoting safety in laboratories. Other Parts of the series are as follows:

- Part 1: General
- Part 2: Chemical aspects
- Part 3: Microbiological aspects and containment facilities
- Part 4: Ionizing radiations
- Part 6: Mechanical aspects
- Part 7: Electrical aspects
- Part 8: Fume cupboards
- Part 9: Recirculating fume cabinets
- Part 10: Storage of chemicals

The term ‘informative’ has been used in this Standard to define the application of the appendices. An ‘informative’ appendix is only for information and guidance.

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