
**Photography — Sensitometry of
screen/film systems for medical
radiography —**

**Part 1:
Determination of sensitometric curve
shape, speed and average gradient**

*Photographie — Sensitométrie des ensembles film/écran pour la
radiographie médicale —*

*Partie 1: Détermination de la forme de la courbe sensitométrique, de la
sensibilité et du contraste moyen*



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2004

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General requirements	2
4.1 Storage and handling conditions	2
4.2 Safelights	2
4.3 X-ray equipment	3
4.4 Air kerma meter	3
4.5 Processing	3
4.6 Densitometry	4
5 Determination of sensitometric curve shape	4
5.1 General	4
5.2 Beam qualities	5
5.3 Geometry for curve shape determination	5
5.4 Exposure	8
5.5 Evaluation	8
6 Determination of average gradient	8
7 Determination of speed	10
7.1 Definition	10
7.2 Beam qualities	10
7.3 Geometry	13
7.4 Exposure	13
7.5 Evaluation	13
8 Speed and average gradient determination without sensitometric curve	16
9 Uncertainty	16
10 Test report	17
Annex A (informative) Rationale	18
Bibliography	20