

Second edition
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Pulp, paper and board — Microbiological examination —

Part 1: Total count of bacteria, yeast and mould based on disintegration

Pâte, papier et carton — Analyse microbienne

*Partie 1: Dénombrement total des bactéries, levures et moisissures
basé sur la désintégration*



Reference number
ISO 8784-1:2005(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 8784-1 was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*, Subcommittee SC 2, *Test methods and quality specifications for paper and board*.

This second edition cancels and replaces the first edition (ISO 8784-1:1987), which has been technically revised. The first edition was only applicable to paper and board and only the bacterial colonies were determined. The second edition is also applicable to pulp (dry market pulp), and yeast and mould as well as bacteria are determined. The incubation conditions have been changed in the second edition (37 °C, 48 h for bacteria, 30 °C, 5 days for yeast and mould) compared to the conditions stated in the first edition (30 °C, 72 h).

ISO 8784 consists of the following parts, under the general title *Pulp, paper and board — Microbiological examination*:

- *Part 1: Total count of bacteria, yeast and mould based on disintegration*
- *Part 2: Surface method for enumeration of microbes on paperboard*

This is a preview of "ISO 8784-1:2005". [Click here to purchase the full version from the ANSI store.](#)

Introduction

This part of ISO 8784, which deals with the microbiological examination of dry market pulp, paper and paperboard, is broadly based on ISO 4833^[1], although the conditions are not identical: However, it provides specific amplification where necessary. It is intended for the estimation of colony-forming units, CFU, without any attempt to isolate species of particular public-health significance.

Because of the exacting techniques required in aseptic procedures, reproducible results can only be secured by skilled microbiological technicians. In addition, health risks may arise from the employment of inadequately trained staff.