

Student Name:

Registration Number:

Practical Workbook Microbiology BMS315

Session 3

- 1- Record all the data from YOUR viable counting experiment on yeast performed in Session 2 (Week 4 with data collected in Week 6).

A Spread Plate method

Dilution	Counts per plate
10^{-1}	300
10^{-2}	220
10^{-3}	150
10^{-4}	40
10^{-5}	5

B Pour Plate method

Dilution	Counts per plate
10^{-1}	320
10^{-2}	250
10^{-3}	180
10^{-4}	60
10^{-5}	8

- 2- Comment on the quality of the data you obtained? Would you be confident that you have accurately counted the number of cells in the sample? Justify your comments (1 mark)

The data shows a consistent decrease in colony counts with increasing dilution, indicating accurate dilution preparation. Counts mostly fall within the reliable 30-300 CFU range but lower counts at the 10^{-5} are less accurate. Minor differences between spread and pour plate methods are expected due to technique variations. However, the results are reliable, but using replicates and staying within the ideal counting range would improve further accuracy.

- 3- What was the viable count of the organism? Treat each counting method separately (Do your calculations below, apply the plate count rules and use correct units) (2 marks).

Spread Plate count

Using 10^{-3} dilution with average count of 150 CFU

Viable Count = $150 / 10^{-3} \times 0.1 = 150 / 0.0001 = 1,500,000$ CFU/ ml

The Of Number Practical Workbook

James Arlington Bennet



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A Complete System of Practical Book-keeping, Applicable to All Kinds of Business; Exemplified in Five Sets of Books, of Individual and Partnership Concerns C. Morrison (accountant, Glasgow),1834 **The American System of Practical Book-keeping** James Bennett,1836 *Pathology Practical Book* Harsh Mohan,2012-11-30 This new edition has been fully revised to help pathology trainees acquire practical knowledge in diagnostic pathology Divided into eight sections and consisting of 61 exercises this useful guide discusses techniques and general pathology and then offers exercises for each discipline within pathology systemic pathology cytopathology haematology clinical pathology and autopsy The third edition offers updated images and new exercises for topics of current clinical significance including immunohistopathology surgical pathology types of blood samples anticoagulants and blood collection Supported by key points nearly 600 line drawings specimen photographs and photomicrographs this practical manual also includes a CD reviewing specimens Key points Fully revised new edition offering trainees practical knowledge in diagnostic pathology Consists of 61 exercises covering key disciplines within pathology Includes updated images and new exercises for topics of current clinical significance Includes key points nearly 600 line drawings specimen photographs and photomicrographs and a CD reviewing specimens Previous edition published in 2007 *A complete system of practical book-keeping* C. Morrison,1828 **The American System of Practical Book-keeping** James Arlington Bennet,1824 **The New Theoretical and Practical Introductory Book-keeping** Louis Lafayette Williams,Fernando E. Rogers,1894 *21st Century Practical Spiritual Metaphysic Guide Book for Atheist S and Agnostics* Joel Gonzalez,2011-03-01 This is a guide book for the individual who has always shied away from all occult subjects such as religion magic astrology metaphysics spiritual anything and for the beginner into all of these subjects who wished to expedite his her learning with the latest up to date information It offers leads for the beginner interested in understanding the merger between science and the occult spiritual subjects and a reference of where to get started in the search for the ultimate truth This book also provides references of where to find up to date information based on scientific evidence of what is going on with our planet earth and what to expect in the coming years leading to December 21 2012 This book provides scientific and practical ways of understanding the universe TOOLS to help YOU LIVE life TO ITS FULLEST and with EXCELLENT HEALTH *The Mechanic's, Machinist's, and Engineer's Practical Book of Reference. ... Together with the Engineer's Field Book. ...* Edited by C. W. Hackley Charles HASLETT,1856 *The New Theoretical and Practical Complete Book-keeping* Louis Lafayette Williams,1896 *The American System of Practical Book-keeping ... Exemplified in One Set of Books Kept by Double Entry ... To which are Added, Forms of the Most Approved Auxiliary Books, with a Copperplate Engraving, Exhibiting ... the Final Balance of the Leger* James Arlington Bennet,1831 *The Mechanic's, Machinist's, and Engineer's Practical Book of Reference* Charles Haslett,1855 **A Complete Treatise on Practical Book-keeping ...** James Morrison (Accountant.),1810 *Principles and Practice of*

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web the thorax is the area of the body situated between the neck and the abdomen the thorax itself can be split up into various areas that contain important structures the thorax is bound by bony structures including the 12 pairs of ribs and thoracic vertebrae whilst also being supported by many ligaments and muscles

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web aug 17 2023 the thorax has two major openings the superior thoracic aperture found superiorly and the inferior thoracic aperture located inferiorly the superior thoracic aperture opens towards the neck it is bounded by the bones of the upper thorax manubrium of sternum the first pair of ribs and the body of the vertebra t1

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web the thorax of the female differs from that of the male as follows 1 its capacity is less 2 the sternum is shorter 3 the upper margin of the sternum is on a level with the lower part of the body of the third thoracic vertebra whereas in the male it is on a level with the lower part of the body of the second 4