МИКРОБИОЛОГИЧЕСКИЙ МОНИТОРИНГ ПОМЕЩЕНИЙ ЛАБОРАТОРИИ МИКРОБИОЛОГИИ. АНАЛИЗ РИСКОВ

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Резюме: В статье показать возможность влиния вкружающих факторов на качество апализов, выполняеных в заборатории мыгробивлогии Истытательного центра экспертизи качества ЛС и теобходимость проводеныя микробивлогического мониторинга чистек зон и помещений в период их эксплуатации. Для оценов проводеопасности каждого источника рассматриваются факторы рыска и категории крутичности, на основе которых делается вывод о частоте проведения текущего мониторинга в заборатории. Оцениваются основние риски, влиновие на результаты микробивлогического исследования, описываются методы управления указатыми рисками. Представлени также материалы по оптимизации процесса микробивлогического мониторинга всех помещений заборатории, в том числе не отностишихся к чистой зоне.

Ключевые слюве: экспертиза качества мекарственных средств, микробавлолический монитории», факторы риска.

ENVIROMENTAL MONITORING OF MICROBIOLOGY LABORATORY PREMISES. RISK ANALYSIS O.V. Gunnar, N.G. Sakhno, M.V. Roshchina

Federal State Budgetary Institution «Scientific Centre for Expert Evaluation of Medicinal Products» of the Ministry of Health of the Russian Federation, Moscow

Abstract: The article shows possible influence influence of environmental factors in the quality of analyses performed in the Laboratory of microbiology of the Testing Centre for Evaluation of Medicinal Products Quality and the need for microbiological monitoring of clean areas and premises during the whole period of operational use. In order to assess the danger level of each source, the consideration of risk factors and criticality categories, which appear to be the basis for defining the frequency of routine monitoring in the laboratory is performed. Major risks affecting the results of microbiological studies are being assessed and the methods for managing these risks are described. It provides the data on optimizing the process of microbiological monitoring of the laboratory premises, including non-clean area.

Key words: drug quality evaluation, microbiological monitoring, risk factors.

В соответствии с современными требованиями 111 при выполнении асептических процессов на производстве или при контроле качества необходимо постоянно проводить микробиологический моенторинг, валючающий исследование воздуха и чистоту рабочих поверхностей. Наряду с этим, в соответствии с МУК 4.2.734-99 [2] и утвержденными стандартными операционнами процедурами (СОП), микробиологический мониторинг окружающей дабораторной среды охватывает: оценку качества воды очищениюй; тестирование эффективности дезинфектантов; подтверждение качества стерилизации. Текущий мониторииг чистых помешений и чистых эон проводится в период их эксплуаташин. Точки отбора проб выбираются на основе анализа рисков и результатов, полученных при классификации чистых помещений. Исследования, связанные с мониторингом, выполняются с такой частотой и при таком объеме отбираемых проб, чтобы можно было зафиксировать изменения уровня контранинации 111.

В соответствии с указанными положениями в лаборатории микробиологии Испытательного центра экспертизы качества ЛС (ИЦЭКЛС) проводится микробиологический мониторинг, в программу которого включают следующее:

- определение ответственных исполнителей и контролирующего лица;
- выбор адекватных методов анализа в соответствии с процедурой микробиологического мониторянга, описанной в рабочей инструкции;
- использование только откалиброванного оборудования и приборов, прошедших метрологическую аттестацию;
- установление допустимых пределов, уровней тревоги и действия;
- регистрацию полученных результатов в утвержденных протоколах, а в случае превышения установленных верхнюх пределов, проведение расследования и выполнение корректирующих меропректий.

Целью настоящей работы является определение влиния окружающих факторов на качество анализов, выполняемых в даборотории микробнологии, для постоянной гарантии стабильности асептических услоний, выявления начальных отклонений и выработки корректирующих действий до возниклювения ситуаций, приводящих к появлению дожных результатов.

G Orfield

This book delves into Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov. Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov is a crucial topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov, encompassing both the fundamentals and more intricate discussions.

- 1. This book is structured into several chapters, namely:
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 - o Chapter 3: Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov in Everyday Life
 - Chapter 4: Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov in Specific Contexts
 - Chapter 5: Conclusion
- 2. In chapter 1, the author will provide an overview of Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov. The first chapter will explore what Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov is, why Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov is vital, and how to effectively learn about Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov.
- 3. In chapter 2, the author will delve into the foundational concepts of Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov. This chapter will elucidate the essential principles that must be understood to grasp Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov in its entirety.
- 4. In chapter 3, the author will examine the practical applications of Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov in daily life. The third chapter will showcase real-world examples of how Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov can be effectively utilized in everyday scenarios.
- 5. In chapter 4, this book will scrutinize the relevance of Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov in specific contexts. The fourth chapter will explore how Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov is applied in specialized fields, such as education, business, and technology.
- 6. In chapter 5, the author will draw a conclusion about Organizatsionnoekonomicheskie Printsipy Strakhovaniia Kosmicheskikh Riskov. The final chapter will summarize the key points that have been discussed throughout the book.

 This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Organizatsionnoekonomicheskie Printsipy

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