

SUMMARY

Experienced Senior Microbiologist with a strong background in microbiological testing, infection control, and laboratory management. Demonstrated expertise in ISO 17025 and ISO 13485 standards, with a proven track record of improving process efficiency and developing new testing methods.

In 2023 I'm a student nurse I learn the nursing skilled on patient care, vital signs monitoring, and administering medications from internships at Pioneer Polyclinic and Jurong Community Hospital. Adept at analytical thinking, research, and team collaboration. My Career goal is to leverage extensive laboratory experience to excel in healthcare settings.

LAB AND NURSING SKILL

- Familiar with ISO 17025/ISO 13485
- Lab testing protocols (APHA/ ISO method)
- Knowledge of Microbiology
- Aseptic techniques
- Researching
- Infection control
- Analytical and critical thinking
- Written and verbal communication
- IV drug therapy management
- Monitoring Vital Signs
- Administering medication and Dosage
- Patient education
- Team player
- Patient care assistant and safety
- Decision making
- Medical equipment knowledge
- Knowledge of Microsoft office

PERSONAL INFORMATION

Nationality: Malaysian with Singaporean PR

Kwan Yan Kae



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Singapore 641976

PROFESSIONAL EXPERIENCE

10/2024 - 12/2024

Student Nurse (internship)

Pioneer Polyclinic

- Performing patient assessments with supervisor like gathering patient history, monitoring vital signs, and assessing overall health conditions
- Help staff nurse to administering medications and treatments like delivering vaccinations, providing wound care, and assisting in minor procedures
- Assisting staff nurse to educate patient and counselling such as educating patients on managing chronic conditions, lifestyle changes, medication adherence, and preventive health measures
- Coordinate care between patients and other healthcare providers to achieve smooth treatment
- Help to maintaining accurate patient records, which is critical for effective communication and continuity of care
- Engaged with customers to better understand needs and deliver excellent service.

08/2024 - 09/2024

Student Nurse (Internship)

Jurong Community Hospital

- Assisted patient basic care with personal hygiene and nutrition management to them
- Monitored conditions such as vital sign and update to IO chart
- Perform basic nursing care infection control
- Handling disposal of sharp and preparing sterile equipment
- Worked alongside experienced nursing professional to learn new procedure
- Assist to collect of specimens like urine for urinalysis

02/2020 - 12/2022

Maggot Researcher (Full-time)

Cuprina Pte. Ltd

- Company Overview: Industry: medical device manufacturing
- Execute operation and service activities in accordance with the QMS procedure and follow any specific instruction as given by their respective Supervisor
- Where appropriate, review existing processes and initiate change to improve the efficiency and productivity of SOP

TRAINING

- 06/12/21, ISO 13485 2016 Internal Auditor Training Course
- 20/04/19, Certificate in Microbiological and Pharmaceutical Analyses
- 29/07/16, Presentation Skills Training Program
- 17/02/16, Apply for Workplace Safety and Health in Process Plant
- 08/05/16, Supervise Workplace Safety and Health in Process Plant
- 18/06/15, Weighing Quality Management with Good Weighing Practice Course
- 26/07/13, Workshop on Measurement Uncertainty in Chemical analysis

CERTIFICATIONS

- In **2021** ISO 13485 2016 Internal Auditor Training Course
- In **2019** Certificate in Microbiological and Pharmaceutical Analyses
- In **2016** Presentation Skills Training Program
Apply for Workplace Safety and Health in Process Plant
Supervise Workplace Safety and Health in Process Plant
- In **2015** Weighing Quality Management with Good Weighing Practice Course
- In **2013** Workshop on Measurement Uncertainty in Chemical analysis

HOBBIES AND INTERESTS

- Dedicated to daily jogging and swimming, fostering physical endurance.
- Practicing mindfulness meditation to enhance focus, stress management
- Exploring and sharing diverse cuisines through culinary events with friends and family.

- Maintain iso 13485 lab requirement
- Deal with new testing and project
- Daily operations, maintain insectary and manufacture Medifli products (sterile maggots)
- Industry: medical device manufacturing
- Reason for leaving: Decide to further study and change field
- Managed research assistants by cross-checking work and providing support.

04/2011 - 01/2020

Senior Microbiologist (Full-time)

Ecolab Pte. Ltd

- Company Overview: Industry: Chemicals, Service, Water Management, Food Safety, Infection Prevention
- Conduct microbiological tests on water and deposit samples using APHA and ISO methods and gram staining for further conformation testing
- Oversee the SPC, Total coliform & Escherichia coli, Legionella, DMA, Biomass etc. (including aseptic technique and pipetting skill)
- Maintain the ISO 17025 system and leverage the LIMS (Laboratory Information Management System) to complete tasks
- Conduct Microbiological Proficiency Testing (PT) study on water matrix
- Prepare the media, doing internal calibration all the equipment and maintenance the instrument (e.g. Autoclave)
- Review and adjust SOP accordingly to create more efficient procedures
- Oversee the laboratory investigations and arrange the non-conformance report
- Industry: Chemicals, Service, Water Management, Food Safety, Infection
- Demonstrated individual and team laboratory tests to train junior staff on testing procedures.
- Participated in quality assurance programmers, ensuring laboratory practices met or exceeded accreditation standards.

LANGUAGES

Fluent in Mandarin and English (Written and verbal)

Basic in Bahasa Malaysia (Writing and verbal)

EDUCATION

04/2024

Nanyang polytechnic | Singapore

Diploma in nursing

01/2008

Kaohsiung Medical University | Kaohsiung, Taiwan

BSC: Biomedical Science and Environmental Biology

01/2002

Kwang Hua High School | Malaysia

Unified Examination Certificate (UEC)

- Avid traveler with a focus on exploring diverse cultures and cuisines

REFERENCES

Tan Jie Lin (Jurong Community Hospital / Senior Staff Nurse)

Tel: 6565-9034

Email: tan_jielin@nuhs.com.sg

Tan Goh Liang (Cuprina Pte. Ltd/ Manager)

Tel: 6346-1212

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