

AGENDA

WOAH Regional Hands-on Training on Priority Diseases in Asia and the Pacific

Qingdao. P. R. China

14-18 September 2026

WOAH Regional Hands-on Training on Zoonotic TB Diagnosis

From	To	Programme	Presenter/Facilitator
Day 1 (14 September) and Day 2 (until morning of 15 September) - International Seminar on Priority Animal Diseases to be held at Grand Skylight Hotel Qingdao			
Day 2 Tuesday 15 September 2026			
13:00	13:30	Depart from 369 Nanjing Road Base to Hongdao Base of CAHEC	All participants
13:30	14:00	Presentations from 3 Members on follow-up action taken since the hands-on training in 2025	Indonesia, Nepal, Sri Lanka
Session 2.1 Delayed hypersensitivity skin tests			
14:00	14:15	Pre-training quiz time (15-20 questions)	CAHEC and WOAHC
14:15	15:30	• Principle of tuberculin skin testing (TST) • Procedures for administering and reading reactions • Interpretation and limitations • Practical demo /videos Coffee break to be served during training	SUN Mingjun
Session 2.2 Bacterial culture techniques			
15:30	16:30	• Handling of positive samples • Principles and methods of culturing <i>Mycobacterium bovis</i>, isolation and identification Coffee break to be served during training	TIAN Lili
16:30	17:00	Q&A and feedback	CAHEC/WOAH
17:00	17:30	Back to the Hotel by minibus	
Day 3 Wednesday, 16 September 2026			
8:30	9:00	Depart from hotel to Hongdao Base of CAHEC	All participants
Session 3.1 Hands-on laboratory training: Interferon Gamma Release Assay (IGRA)			
9:00	9:15	Recap of previous day (participant)	SUN Mingjun, TIAN Lili
9:15	10:30	• Immunological basis of IGRA for TB detection • Sample collection and processing	ZHANG Haobo



		Advantages of traditional skin testing	
		Coffee break to be served during training	
10:30	12:30	Practical on the processing and incubation of simulated whole blood samples	ZHANG Haobo, QI Fei
12:30	13:30	Lunch	
13:30	14:30	IGRA – Continue practical training on the collection of supernatant liquid and ELISA for gamma interferon	ZHANG Haobo, QI Fei
Session 3.2 Enzyme-Linked Immunosorbent Assay (ELISA) Antibody Test			
14:30	15:30	- Recap of previous day (Participant) - Mechanism and application in bovine TB diagnosis - Protocol for conducting ELISA in the lab - Data interpretation and troubleshooting	YAN Xin
		Coffee break to be served during training	
15:30	16:30	ELISA practical and reading of results	ZHANG Haobo, QI Fei
16:30	17:00	Q&A and feedback	CAHEC/WOAH
17:00	17:30	Travel back to the hotel	
Day 4			
Thursday, 17 September 2026			
8:30	9:00	Depart from hotel to Hongdao Base of CAHEC	All participants
Session 4.1 PCR-Based Detection of Mycobacterium Bovis			
9:00	9:15	Recap of previous day (participant)	ZHANG Haobo, YAN Xin
9:15	10:30	- Overview of molecular diagnostics (qPCR) in TB detection - On-site RAA (Recombinase Aided Amplification) rapid testing	SUN Xiangxiang, JIN Jihui
		Coffee break to be served during training	
10:30	12:30	Practical on the processing of qPCR & RAA	SUN Xiangxiang, JIN Jihui
12:30	13:30	Lunch	
Session 4.2 Visiting a veterinary vaccine company			
13:30	16:30	Visit Yebio Vaccine Company	
16:30	17:00	Back to the hotel	
Day 5			
Friday, 18 September 2026			

8:30	9:00	Depart hotel for Hongdao base		ti
Session 5.1 Histopathology and Microscopy				
9:00	9:15	Recap of previous day (participant)		SUN Xiangxiang, JIN Jihui
9:150	10:30	• Identification of lesions in infected animals • Staining techniques for TB bacteria (Ziehl-Neelsen) • Microscope usage and best practices Coffee break to be served during training		LIU Mengda
10:30	11:30	Practical on the processing of milk samples and microscopic examination		LIU Mengda. LI Jiaqi
Session 5.2 Quality Control and Compliance				
11:30	12:30	• Standard operating procedures in TB diagnostics • Good Laboratory Practice (GLP) • Accreditation and regulatory compliance • Common pitfalls and troubleshooting diagnostic errors Coffee break to be served during training		NAN Wenlong
12:30	13:00	Lunch		
Session 5.3 Closing and evaluation				
13:30	14:00	• Post-training quiz time (15-20 questions) • WOAHP event evaluation		
14:00	14:30	Certificate ceremony		CAHEC
14:00	15:00	Closing • Closing remark from CAHEC • Closing remark from WOAHP		CAHEC
15:00	15:30	Back to the hotel		
End of the training				