

## AGENDA

### WOAH Regional Hands-on Training on Zoonotic TB Diagnosis

Jointly with the Ministry of Agriculture and Rural Affairs of the People's Republic of China

and the China Animal Health and Epidemiology Centre (CAHEC)

1-5 September, Qingdao, P.R. China

From	To	Programme	Presenter/Facilitator
Day 1		Monday, 1 September 2025	
8:30		Heading to CAHEC by Minibus	
Session 1.1 Opening Session			
9:00	9:30	Welcome Remarks from CAHEC Opening Remarks from WOAHRAP	Dr Wu Han Dr Hirofumi Kugita
9:30	10:00	Group photo and head to CAHEC Hongdao Lab	All participants
Session 1.2 Introduction and sharing of regional and national experiences			CAHEC WOAH RRAP
10:00	10:10	Introduction of participants	All Participants
10:10	10:20	Training objectives	Kinzang Dukpa WOAH RRAP
10:20	10:35	WOAH Standards on zoonotic TB/bovine TB control, including recommended diagnostic tests (15 mins)	Monal Daptardar WOAH HQ
10:35	10:50	Status of implementation of global zTB roadmap (15 mins)	Dr Corinne Merle WHO HQ
10:50	11:05	Bovine TB control experiences in China (15 mins)	Dr Xiaoxu Fan CAHEC
11:05	12:00	Members’ experiences on zTB diagnosis, surveillance and control (5 minutes each, 45 min)	9 members
12:00	12:30	Q & A	All participants
12:30	13:30	Lunch	
Session 1.3 Hands-on laboratory training on delayed hypersensitivity skin tests			
13:30	13:40	Pre-training quiz time (15-20 questions)	CAHEC
13:40	15:30	<ul style="list-style-type: none"><li>• Principle of tuberculin skin testing (TST)</li><li>• Procedures for administering and reading reactions</li><li>• Interpretation and limitations</li><li>• Practical demo /videos</li></ul> <a href="#">Coffee break to be served during training</a>	CAHEC Dr Mingjun Sun
Session 1.4 Bacterial culture techniques			

15:30	17:00	<ul style="list-style-type: none"> <li>Principles and methods of culturing <i>Mycobacterium bovis</i>, isolation and identification</li> <li>Staining techniques for TB bacteria (Ziehl-Neelsen)</li> </ul>	Dr Lili Tian
		<a href="#">Coffee break to be served during training</a>	
17:00		Back to the Hotel by minibus	
18:00	20:00	Welcome Dinner hosted by WOAHA at the Sophia Hotel	

From	To	Programme	Presenter/Facilitator
Day 2		Tuesday, 2 September 2025	
8:30		Heading to CAHEC Hongdao Lab by Minibus	
Session 2.1 Hands-on laboratory training: Interferon Gamma Release Assay (IGRA)			
9:00	11:00	<ul style="list-style-type: none"><li>Recap of Day 1 (participant)</li><li>Immunological basis of IGRA for TB detection</li><li>Sample collection and processing</li><li>Advantages of traditional skin testing</li></ul> <a href="#">Coffee break to be served during training</a>	Dr Haobo Zhang
11:00	12:30	Practical on the processing of blood samples	All participants
12:30	13:30	Lunch	
13:30	14:30	IGRA – Continue practical training on the collection of supernatant liquid and ELISA for gamma interferon <a href="#">Coffee break to be served during training</a>	Dr Haobo Zhang
14:30	17:00	Field visit: Qingdao Yebio Biological Engineering Co Ltd	All participants
17:00		Back to the hotel	

From	To	Programme	Presenter/Facilitator
Day 3		Wednesday, 3 September 2025	
8:30		Heading to CAHEC Hongdao Lab by Minibus	
Session 3.1 Enzyme-Linked Immunosorbent Assay (ELISA) Antibody Test			
9:00	11:00	<ul style="list-style-type: none"><li>Recap of Day 2 (Participant)</li><li>Mechanism and application in bovine TB diagnosis</li><li>Protocol for conducting ELISA in the lab</li><li>Data interpretation and troubleshooting</li></ul>	Dr Xin Yan

		Coffee break to be served during training	
11:00	12:30	ELISA practical and reading of results	All participants
<b>12:30</b>	<b>13:30</b>	<b>Lunch</b>	
13:30	16:30	<ul style="list-style-type: none"> <li>• ELISA practical</li> <li>• Processing of digital ELISA and reading of results</li> <li>• Interpretation</li> </ul>	Dr Xin Yan Dr Mengda Liu
		Coffee break to be served during training	
16:30	17:00	Q&A	All participants
17:00		Back to the hotel	

From	To	Programme	Presenter/Facilitator
Day 4		Thursday, 4 September 2025	
8:30		Heading to CAHEC by Minibus	
Session 4.1 PCR-Based Detection of Mycobacterium Bovis			
9:00	11:00	<ul style="list-style-type: none"><li>Recap of Day 3 (participant)</li><li>Overview of molecular diagnostics (PCR + RAA) in TB detection</li></ul> <a href="#">Coffee break to be served during training</a>	Dr Jihui Jin  Dr Xiangxiang Sun
11:00	12:30	Practical on the processing of blood samples	Participants, CAHEC
12:30	13:30	Lunch	
13:30	16:00	<ul style="list-style-type: none"><li>Practical on PCR continued</li><li>Reading and interpretation</li></ul> <a href="#">Coffee break to be served during training</a>	Dr Jihui Jin
16:00	16:30	Introduction to Lateral Flow Assay	Dr Mengda Liu
16:30	17:00	Q&A	All participants
17:00		Back to the hotel	

From	To	Programme	Presenter/Facilitator
<b>Day 5</b>		<b>Friday, 5 September 2025</b>	
<b>8:30</b>		<b>Heading to CAHEC by Minibus</b>	

Session 5.1 New detection methods, such as on-site RAA (Recombinase Aided Amplification) rapid testing			
9:00	10:30	Practical on Recombinase-Aided Amplification (RAA) Rapid Testing  Coffee break to be served during training	Dr Xiangxiang Sun CAHEC
Session 5.2 Quality Control and Compliance			
11:00	12:00	<ul style="list-style-type: none"><li>• Standard operating procedures in TB diagnostics</li><li>• Good Laboratory Practice (GLP)</li><li>• Accreditation and regulatory compliance</li></ul> Common pitfalls and troubleshooting diagnostic errors	Dr Wenlong Nan
12:00	13:00	Lunch	
Session 5.3 Laboratory proficiency testing for zTB diagnosis			
13:00	14:00	<ul style="list-style-type: none"><li>• Discussions on laboratory proficiency testing</li><li>• Identification of countries interested in pursuing PT schemes (CAHEC plans to send nucleic acid samples with PCR kits to the participants on return)</li></ul> Coffee break to be served during training	Dr Xiaoxu Fan
Session 5.4 Closing and evaluation			
14:00	14:30	<ul style="list-style-type: none"><li>• Post-training quiz time (15-20 questions)</li><li>• WOAHA event evaluation</li></ul>	CHAEC WOAH RRAP
14:30	15:00	Certificate ceremony	CHAEC WOAH RRAP
15:00	15:30	<b>Closing</b> <ul style="list-style-type: none"><li>• Closing remark from CAHEC</li><li>• Closing remark from WOAHA</li></ul>	<b>CAHEC</b> <b>WOAH RRAP</b>
15:30		Back to the hotel	
End of the training			