

## Proficiency Test Instructions for Participants

### 29 MAY 2017 RUN

#### PURPOSE

To provide for detailed instructions for participants in compliance with the requirements of ISO 17043, clause 4.6.1

#### INSTRUCTIONS

Scheme reference	Samples			Samples reconstitution	Testing timeframe	Approved test methods	Sheet to be used for submission of results to JGK	Unit of measurement (Results)	Number of test replicates per sample
	Type	Identification (as per the labels)	Storage						
JGKPT02 Antimicrobial susceptibility	Animal sp.: <u>bovine</u> 2 FD cultures (mastitis pathogens)	ATB01M – ATB02M	2-8°C	Add 1 ml sterile DH <sub>2</sub> O to the vial	Test immediately after reconstitution. Keep cool	Disc diffusion technique (Kirby Bauer)	R.E.F 1.2 (supplied)	Zone Ø in millimeters (express results: S, I, R) 'S': sensitive 'I': intermediate 'R': resistance	Culture: 1 rep. Susceptibility: Supplied discs: 3 repl. Own discs: 1 rep.
	Antimicrobial discs (x18)	Streptomycin 30 µg (x6) Kanamycin 30 µg (x6) Oxacillin 30 µg (x6)		Discs are ready to use (Commercial discs)					
JGKPT08 <i>Avibacterium paragallinarum</i>	3 FD cultures	AVI01 – AVI03	2-8°C	Add 1 ml sterile DH <sub>2</sub> O to the vial	Test within 2 days after reconstitution. Keep cool	Standard veterinary microbiology	R.E.F 08-17 (supplied)	Positive/Negative <i>Avibacterium paragallinarum</i>	1 rep.
JGKPT20 Bacteriology – Cattle scenario	3 Amies Swabs	BAC01C – BAC03C	2-8°C	N/A	Test within 2 days of receipt. Keep cool	Standard veterinary microbiology	R.E.F 20-25 (supplied)	Full ID <u>Target bacteria</u>	1 rep.
JGKPT21 Bacteriology – Chicken scenario	3 FD cultures	BAC01CH – BAC03CH	2-8°C	Add 500 µl sterile DH <sub>2</sub> O to the vial	Test within 2 days after reconstitution. Keep cool	Standard veterinary microbiology	R.E.F 20-25 (supplied)	Full ID <u>Target bacteria</u>	1 rep.
JGKPT22 Bacteriology – Dog/Cat scenario	3 FD cultures	BAC01DC – BAC03DC	2-8°C	Add 1 ml sterile DH <sub>2</sub> O to the vial	Test within 2 days after reconstitution. Keep cool	Standard veterinary microbiology	R.E.F 20-25 (supplied)	Full ID <u>Target bacteria</u>	1 rep.
JGKPT23 Bacteriology – Horse scenario	3 FD cultures	BAC01H – BAC03H	2-8°C	Add 1 ml sterile DH <sub>2</sub> O to the vial	Test within 2 days after reconstitution. Keep cool	Standard veterinary microbiology	R.E.F 20-25 (supplied)	Full ID <u>Target bacteria</u>	1 rep.

JGKPT26-28 Milk hygiene (TBC, Col, EC)	6 FD cultures	MHTBC01 – MHTBC02 MHCOL01 – MHCOL02 MHEC01 – MHEC02	2-8°C	See instruction at the bottom of the page	Test immediately after reconstitution. Keep cool	3M Petri films	R.E.F 26-31 (supplied)	Colony counts	2 rep.
JGKPT29-31 Antimicrobial residues - Milk	4 x 10 ml milk (liquid)	RES01M – RES04M	2-8°C	N/A Ready to process as per your SOP	Test immediately. Keep cool	Rapid tests Snap Charm	R.E.F 26-31 (supplied)	Positive/Negative <u>Target drug</u>	1 rep.
JGKPT32-34 Antimicrobial residues - Meat	4 x 25 g meat	RES01F – RES04F	2-8°C	N/A Ready to process as per your SOP	Test immediately. Keep cool	Rapid tests Chromatographic	R.E.F 32-44 (supplied)	Positive/Negative <u>Target drug</u>	1 rep.
JGKPT35 Food hygiene – <i>C. jejuni</i>	4 x 25 g meat	FH01 – FH04	2-8°C	N/A Ready to process as per your SOP	Test immediately. Keep cool	Standard veterinary microbiology ISO	R.E.F 32-44 (supplied)	Positive/Negative <u>Target bacteria</u>	1 rep.
JGKPT36 Food hygiene – Coliforms	2 FD cultures	COL01 – COL02	2-8°C	Add 1 ml sterile DH <sub>2</sub> O to the vial	Test immediately after reconstitution. Keep cool	Standard veterinary microbiology ISO	R.E.F 32-44 (supplied)	Colony counts	2 rep.
JGKPT37 Food hygiene – <i>E. coli</i> O157	4 x 25 g meat	FH01 – FH04	2-8°C	N/A Ready to process as per your SOP	Test immediately. Keep cool	Standard veterinary microbiology ISO	R.E.F 32-44 (supplied)	Positive/Negative <u>Target bacteria</u>	1 rep.
JGKPT42 Food hygiene – <i>L. monocytogenes</i>	4 x 25 g meat	FH01 – FH04	2-8°C	N/A Ready to process as per your SOP	Test immediately. Keep cool	Standard veterinary microbiology ISO	R.E.F 32-44 (supplied)	Positive/Negative <u>Target bacteria</u>	1 rep.
JGKPT43 Food hygiene – Salmonella	4 x 25 g meat	FH01 – FH04	2-8°C	N/A Ready to process as per your SOP	Test immediately. Keep cool	Standard veterinary microbiology ISO	R.E.F 32-44 (supplied)	Positive/Negative <u>Target bacteria</u>	1 rep.
JGKPT44 Food hygiene – Total viable count	2 FD cultures	TVC01 – TVC02	2-8°C	Add 1 ml sterile DH <sub>2</sub> O to the vial	Test immediately after reconstitution. Keep cool	Standard veterinary microbiology ISO	R.E.F 32-44 (supplied)	Colony counts	2 rep.
JGKPT59 Somatic cell counting	6 x 20 ml milk (liquid)	SCC01 – SCC06	2-8°C	N/A Ready to process as per your SOP	Test immediately. Keep cool	All counting devices	R.E.F 59-60 (supplied)	Cell counts	3 rep.
JGKPT60 Mastitis pathogens	2 x 10 ml milk (liquid)	MAST01 – MAST02	2-8°C	N/A Ready to process as per your SOP	Test immediately. Keep cool	Standard veterinary microbiology	R.E.F 59-60 (supplied)	Full ID <u>Target bacteria</u>	1 rep.

#### Treatment of samples

No special treatment should be given to the PT samples. They [samples] should be handled in the same manner as all the other samples routinely tested in the laboratory.

#### Handling and safety requirements

Contact surfaces must be decontaminated with 70% alcohol or other suitable disinfectants. Used laboratory utensils must be cleaned and sterilized as per laboratory standard operating procedure. Unused materials and waste must be removed as per laboratory waste management protocol. This involves autoclaving and/or removal by an approved waste removal company.

#### Specific environmental conditions required for the participant to conduct tests

None

#### Results recording

Only the supplied excel “Result entry forms” [R.E.F] should be used to capture the PT results. The Participants must fill in the cover page and answer all the questions before capturing the results on R.E.F.

**Submission of PT results to JGK**

All results must be submitted on or before the 19<sup>th</sup> of June 2017. **Any results received after this date will not be included in the analysis.**

**Enquiries**

For any inquiry, please use the contact details provided above to contact JGK

**Return of the proficiency test items**

None

FD: freeze-dried

**Reconstitution of the FD milk for Milk Hygiene:**

Please note that smaller vials were used to produce the samples for Milk hygiene.

To reconstitute the samples, you need to use separate sterile bottles (15 to 20 ml capacity; not supplied)

For each vial:

1. Add 3 ml sterile D.water to the vial, mix well and pour all content of the vial into the sterile reconstitution bottle.
2. Add another 3 ml sterile D.water to rinse the vial and pour all content into the same reconstitution bottle used in Point 1 above.
3. Add a final 4 ml sterile D.water to rinse again the vial and pour all content into the same reconstitution bottle used above.

The final volume in the reconstitution bottle should be **10 ml.**

4. Now, process your sample from the 10 ml suspension made in the reconstitution bottle.