

Specimen Submission Guidelines for Chemistry Tests

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- o Deliver specimens to the laboratory by hand or courier with **customer name, customer address, billing information, sender names and sender particulars** filled in the submission form.



- o Do you know our state-of-the-art, validated and MS ISO/IEC 17025-accredited LC-MS/MS confirmation tests are more sensitive and accurate than ELISA screening tests?
- o Do you know LC-MS/MS confirmation test is cost saving compared with ELISA screening test for Mycotoxin?
- o Do you know staples can cause sample leakage and cross contamination?

SPECIMEN	SPECIMEN COLLECTION GUIDELINES	RELEVANT TESTS
Feed/Raw Materials (dry specimens)	<ul style="list-style-type: none"> o Pack 100 g of specimen in a clean and air-tight plastic bag to maintain dryness. o Label plastic bag with specimen type/origin, date of packing, specimen identification, etc. o Pack the plastic bag into an outer plastic bag for additional specimen protection to prevent contamination. o Secure tightly i.e. with elastic band, zip lock bags etc. o Keep specimen in a cool and dry environment. 	41LCMS-C022 Mycotoxins 41LCMS-C024 Melamine 41LCMS-C026 Malachite Green 41LCMS-C028 β-agonists 41LCMS-C134* Nicarbazin in Feed 41NUTR-C201* Proximate Analysis Package 41NUTR-C202* Crude Fibre 41NUTR-C203* Moisture Content in Feed 41NUTR-C200* Crude Protein 41NUTR-C205* Crude Fat 41NUTR-C204* Crude Ash in Feed 11ELSA-E010 Zearalenone 11ELSA-E011 Total Aflatoxins 11ELSA-E012 Deoxynivalenol 11ELSA-E015 Trichothenes 11ELSA-E016 Ochratoxin 11ELSA-E017 Fumonisin



VET FOOD AGRO DIAGNOSTICS (M) SDN BHD (560721-X)

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MS ISO/IEC 17025
TESTING
SAMM NO. 374

SPECIMEN	SPECIMEN COLLECTION GUIDELINES	RELEVANT TESTS
		41MOIS-C037 Moisture Analysis 11ELSA-E033* Melamine (Wheat, Gluten, Pet Food) 11ELSA-E034* Melamine (Milk, Milk Powder, Biscuits) 41HPLC-C001 Nystatin 41HPLC-C002 Amoxicillin 41HPLC-C003 Clopidol 41HPLC-C006* Ractopamine 41HPLC-C010 Tilimicosin 41HPLC-C011* Trimethoprim
Eggs (fragile specimens)	<ul style="list-style-type: none"> o Suitable quantity is 2 eggs or more per submission. o Label the specimen with date of packing, specimen identification, etc. o Indicate on submission form if pool sample is required. o Place eggs in suitably egg trays for padded protection. o Fasten and tie the egg trays with string. 	41LCMS-C025 Sudan Red 41LCMS-C133* Diclazuril and 4, 4' Dinitrocarbanilide (Nicarbazin) 41LCMS-C136* Fluoroquinolones in Egg 41LCMS-C137* Tetracyclines in Egg 11ELSA-E034* Melamine (Egg)
Meat/Muscle (perishable specimens)	<ul style="list-style-type: none"> o Pack 200 g of specimen in a clean and air-tight plastic bag. o Label plastic bag with specimen type/origin, date of packing, specimen identification and other details, etc. o Pack that plastic bag into an outer plastic bag for additional specimen protection to prevent contamination. o Secure tightly i.e. with elastic band, zip lock bags, etc. o Keep specimen in an ice box filled with ice packs to prevent degradation. 	41LCMS-C018 Chloramphenicol 41LCMS-C019 Nitrofurans 41LCMS-C020 Tetracyclines 41LCMS-C021 Sulfonamides 41LCMS-C023 Fluoroquinolones 41LCMS-C027* Clopidol 41LCMS-C135* 4, 4' Dinitrocarbanilide in Meat 41NUTR-C206* Crude Protein in Meat 11ELSA-E034* Melamine (Yogurt, Ice Cream)





SPECIMEN	SPECIMEN COLLECTION GUIDELINES	RELEVANT TESTS
Urine/Water (liquid specimens)	<ul style="list-style-type: none"> ○ Pack 100 mL of specimen in a clean, leak-proof plastic container. ○ Label the container with specimen type/origin, date of packing, specimen identification, etc. ○ Place the container in a clean plastic bag and seal for additional protection. ○ Keep specimen in an ice box filled with ice packs to prevent degradation. 	41LCMS-C029 β-agonists 41PH00-C038 pH

How do we test antibiotic residues?

CHEMISTRY TEST	MICROBIOLOGY TEST
<ul style="list-style-type: none"> ○ Chloramphenicol <ul style="list-style-type: none"> ▪ 41LCMS-C018 – meat and tissue ▪ 41LCMS-C069* - feed ▪ 41LCMS-C070* - egg ○ 41LCMS-C019 Nitrofurans (AMAZ, AOZ, AHD & SC) – meat ○ 41LCMS-C124* Nitrofurans (Nitrofurantoin, Nitrofurazone, Furazolidone & Furaltadone) - feed ○ Tetracyclines (TC, OTC, CTC & DC) <ul style="list-style-type: none"> ▪ 41LCMS-C020 – meat ▪ 41LCMS-C122* - feed ▪ 41LCMS-C137* - egg ○ Sulfonamides (Sulfadiazine, Sulfamerazine, Sulfadimethoxine & Sulfachinoxalin) <ul style="list-style-type: none"> ▪ 41LCMS-C021 – meat ▪ 41LCMS=C127* - feed ○ Fluoroquinolones (Difloxacin, Danofloxacin, Flumequine, Sarafloxacin, Ofloxacin & Enrofloxacin) <ul style="list-style-type: none"> ▪ 41LCMS-C023 – meat ▪ 41LCMS-C123* - feed ▪ 41LCMS-C136* - egg ○ Amoxicillin, Erythromycin A, Spiramycin I, Tilmicosin & Trimethoprim - meat & feed - Quantitative test (LOD to ppb) 	<ul style="list-style-type: none"> ○ Antibiotic Residues Test by Microbiological Assay <ul style="list-style-type: none"> ▪ 21BAAR-B012 - meat ▪ 21BAAR-B044 - egg - Does not test for specific antibiotic - To quantify antibiotic residues, chemistry test is recommended - Qualitative test



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Email: vfad.chem@rhonema.com (Chemistry), vfad.bacti@rhonema.com (Microbiology),vfad.sero@rhonema.com (Serology), vfad.mb@rhonema.com (Molecular Biology)vfad@rhonema.com (General) Website: <http://www.vfad.com.my>**What are the differences between chemistry confirmation test and immunoassay screening test?**

CHEMISTRY CONFIRMATION TEST	IMMUNOASSAY SCREENING TEST
<p>β-agonists</p> <ul style="list-style-type: none"> ○ 41LCMS-C028 - β-agonists (Sample matrix—feed) ○ 41LCMS-C029 - β-agonists (Sample matrix—urine) 	<p>β-agonists</p> <ul style="list-style-type: none"> ○ 11ELSA-E019 - β-agonists ○ Sample matrices—feed, urine
<p>Mycotoxins</p> <ul style="list-style-type: none"> ○ 41LCMS-C022 - Mycotoxins (Aflatoxin B1, T-2, DON , Fumonisin B1, ZON & Ochratoxin A) 	<p>Mycotoxins</p> <ul style="list-style-type: none"> ○ 11ELSA-E010 – Zearalenone ○ 11ELSA-E011 – Total Aflatoxins ○ 11ELSA-E012 - Deoxynivalenol ○ 11ELSA-E015 – Tricothenes ○ 11ELSA-E016 – Ochratoxins ○ 11ELSA-E017 – Fumonisins

[Disclaimer: Tests marked "*" in this guidelines are "Not SAMM Accredited" and are not included in the SAMM Accreditation Schedule of this laboratory]

