

Pacific Lab Services  
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Your Trusted Partner  
Since 1971





## Pacific Lab Services - The Human & Animal Nutrition Laboratory

Since 1970s, Pacific Lab Services provides comprehensive services in the Animal and Human Nutritional Analysis to global clientele and partners. With a strong history of results and growth in the Nutritional analysis field, Pacific Lab Services has been a trusted provider globally with the promise of:

T	R	U	S	T
<b>Timely</b>	<b>Reliability</b>	<b>Understanding</b>	<b>Serving</b>	<b>Teamwork</b>
We are responsive to our partners' needs  We strive to provide the fastest turn around	We deliver our promises  We provide accurate and dependable result	With our expertise and experience, we aim to understand our partners' problem and provide solutions for them  We value relationship and seek to build on them to strengthen our bond	We give our 100% in all that we do  We hold ourselves to the highest standards of excellence and accept nothing else of ourselves	We work together united towards a common goal to deliver solutions in the best way possible  We grow together through sharing and collaboration

The strong brand value and trusted services of Pacific Lab Services comes from our vast experience of more than 47 years. Pacific Lab was established in early 1970's and since then we have always been known to be the most sophisticated and best equipped laboratory in the region.

Our dedicated team of staff comprises of high-calibre laboratory specialists dedicated in our commitment to provide expert ingredient lab analysis in veterinary, pharmaceutical, industrial, chemical, food and related products.

Pacific Lab has more than 100 years of combined staff experience and our team is known for Reliability in Speed and Accuracy of Results. Our laboratory testing services include human food and animal feed microbiology, analysis, safety and chemical tests on spices, sauces, beverages, biscuits, as well as potency tests on pharmaceutical and industrial chemicals.

### Providing Solutions to Your Needs

#### FEED INDUSTRY

##### Amino Acids

- Total Amino Acids
- Free Amino Acids
- Methionine Hydroxy Analogue
- Collagen (as hydroxyproline x8)
- Glucosamine

##### Fatty Acid Profile

- Saturated and Unsaturated Fatty Acid
- EPA & DHA

##### Water Soluble Vitamin

- Vitamin B1, B2, B3, B5, B9, B12,
- Ascorbic Acid, L-Ascorbyl Monophosphate
- MSB, MPB, MNB, Biotin, Choline

##### Fat Soluble Vitamins

- Vitamin A, D3, 25Hydroxy D3, E

##### Antibiotics

- Amoxicillin
- Ampicillin
- Bacitracin
- Chlortetracycline
- Colistin
- Cyproheptadine
- Doxycycline
- Enrofloxacin
- Florfenicol
- Flubendazole
- Ivermectin
- Norfloxacin
- Oxytetracycline
- Penicillin V Potassium
- Sulfa Drugs
- Tiamulin Hydrogen Fumarate
- Tylosin

##### Anticoccidiocides

- Amprolium
- Clopidol
- Diclazuril
- Kitasamycin
- Lasalocid
- Maduramicin
- Monensin
- Narasin
- Nystatin
- Salinomycin
- Zoalene
- Nicarbazine
- Robenidine
- Ronidazole
- Roxarsone

##### Antioxidants

- Ethoxyquin
- BHT
- BHA

##### Growth Promoter

- Clenbuterol.HCl
- Ractopamine.HCl
- Salbutamol.Sulphate

##### Natural and Synthetic Pigments

- $\beta$ -Carotene & Xanthophyll
- Canthaxanthin
- $\beta$ -Apo-8'-Carotenoid Acid Ethyl Ester
- Astaxanthin

##### Enzyme

- Phytase
- Phytic Acid
- $\alpha$ -Amylase
- Protease
- Xylanase
- $\beta$ -Glucanase
- Mannanase
- Alpha-Galactosidase
- Diastase

#### FOOD INDUSTRY

##### Nutrition Labelling

- Protein
- Total/Sat/Trans Fat
- Sodium
- Cholesterol
- Total Dietary Fibre
- Total Sugar
- Carbohydrate

##### Sweetener

- Aspartame
- Cyclamate
- Saccharin

##### Alcohol Profile

- Methanol, Ethanol, etc

##### Chinese Herbs

- Ginsenosides
- Adenosine
- Inosine
- Cordycepin

#### GENERAL SERVICES: (FEED AND FOOD INDUSTRY)

##### Mycotoxins

- Aflatoxin M1+M2
- Total Aflatoxins
- Ochratoxin A
- T2 - Toxin
- Deoxynivalenol
- Zearalenone
- Fumonisin

##### Food/Feed Contaminants

- 3-MCPD
- Malachite Green
- Chloramphenicol
- Nitrofurans
- Sudan I, II, III & IV
- Para Red
- Paraben
- Melamine
- Formaldehyde

##### Preservatives/Organic Acid

- Benzoic Acid
- Propionic Acid
- Sorbic Acid
- Lactic Acid
- Acetic Acid
- Sulphur Dioxide
- Nitrile+Nitrite

#### MICROBIOLOGY TESTS: (PREMIX, FOOD AND FEED)

##### Metallic, Non Metallic Elements, Minerals

- Fe, Ca, Na, Cu, Mn, Zn, K, Co
- Mg, P, I, F

##### Heavy Metals

- As, Pb, Cd, Hg

##### Fat and Oil Quality Test

- Moisture
- Impurities
- Iodine Value
- Peroxide Value
- Acid Value
- Saponification Value
- Acetone Insoluble Matter
- Hexane Insoluble Matter
- P-Anisidine
- Unsaponifiable Matter

##### Chemical Analysis - General

- Protein / Nitrogen
- Pepsin Digestibility
- Moisture
- Ash
- Crude Fat
- Crude Fibre
- Starch
- Salt

##### 3M Petrifilm Method

- Aerobic Plate Count
- Rapid Aerobic Plate Count
- Coliform Plate Count
- E.coli and Coliform Plate Count
- Rapid Coliform Count
- Enterobacteriaceae Plate Count
- Lactic Acid Bacteria Plate Count
- Yeast and Mold Plate Count
- Rapid Yeast and Mold Plate Count
- Staphylococcus Plate Count
- Salmonella Identification
- Bacillus subtilis\* (inhouse method)

### The Best for Our Partners

Pacific Lab has always been known to be the most sophisticated and best equipped laboratory in the region. We constantly upgrade our laboratory with the state-of-the-art equipments and the latest cutting edge technologies to meet your needs.

Self-Improvement is a part of our promise in providing the best for our partners, we've been through rigorous accreditation process. We are proud to state that we are accredited with ISO/IEC 17025 (SAC-SINGLAS) by Singapore Accreditation Council (SAC) for our high quality services.

- Amino Acid Analyser
- Atomic Absorption Spectrophotometer
- Bomb Calorimeter
- Chloride Titrators
- Gas Chromatograph – FID
- Gas Chromatograph – Mass Spectrometer
- HPLCs with UV-Visible, Fluorescence & PDA Detectors
- ICP-OES
- Polarimeter
- Stereomicroscope and compound microscope
- UV-Visible Double Beam Spectrophotometer



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SS ISO 9001:2000