



Proficiency Testing Provider

**Proficiency Testing Programs Service 2019**  
**Central Laboratory (Thailand) Co., Ltd. (CLT)**

Lab code	<sup>2</sup> Price (USD)	Program	Matrix	Approx. size	Range	Application deadline	Sample distribution
PT01-6201	220	Tetracycline group	Shrimp	25 g	50-300 µg/kg	16 Jan 19	22 Jan 19
PT02-6202	220	β-agonist (Clenbuterol)	Pig urine	10 mL	1.0-10 ng/mL	13 Feb 19	21 Feb 19
PT02-6203	220	β-agonist (Salbutamol)					
PT02-6204	330	Apply to PT02-6202 and PT02-6203					
PT03-6205	200	As, Cu, Cd, Hg, Pb, Ni	Fish muscle	25 g	As = 200-1000 µg/kg Cd, Hg, Pb = 50-500 µg/kg Cu = 1000-5000 µg/kg	13 Feb 19	21 Feb 19
PT04-6206	200	Histamine	Fish muscle	50 g	30-150 mg/kg	8 Mar 19	19 Mar 19
<sup>1</sup> PT15-6207	200	Sulfur dioxide	Tapioca starch	160 g	30-150 mg/kg	8 Mar 19	19 Mar 19
PT05-6208	220	Fluoroquinolone group & Quinolone group	Shrimp	25 g	10-200 µg/kg	17 Apr 19	23 Apr 19
		Fluoroquinolone group & Quinolone group (Pilot study)	Fish muscle	25 g			
PT06-6209	220	Nitrofurans metabolites	Shrimp	25 g	0.5-5.0 µg/kg	10 May 19	22 May 19
PT07-6210	220	Malachite green & Crystal violet	Shrimp	25 g	1.0 -7.0 µg/kg	7 Jun 19	18 Jun 19
		Malachite green & Crystal violet (Pilot study)	Fish muscle				
PT08-6211	290	Pesticide residues (OC, OP, PY, CB)	Broccoli	110 g	10-500 µg/kg	12 Jul 19	23 Jul 19
<sup>1</sup> PT09-6212	200	Ash, Carbohydrate, Dietary Fiber, Energy, Fat, Moisture, Nitrogen, Total sugar	Popcorn	110 g	Natural level	14 Aug 19	20 Aug 19
<sup>1</sup> PT09-6213	200	Ca, Fe, K, Na	Popcorn	25 g			
<sup>1</sup> PT09-6214	300	Apply to <sup>1</sup> PT09-6212 and <sup>1</sup> PT09-6213	Popcorn	135 g			
<sup>1</sup> PT10-6215	220	Sulfamethazine (Sulfadimidine)	Pig serum	5 mL	10-100 ng/mL	14 Aug 19	20 Aug 19
PT11-6216	200	Sulfur dioxide	Shrimp	110 g	50-200 mg/kg	6 Sep 19	17 Sep 19
PT12-6217	200	Total Phosphorus as P <sub>2</sub> O <sub>5</sub>	Shrimp	25 g	0.1-1.5 g/100g	11 Oct 19	22 Oct 19
PT13-6218	220	Sulfonamide group	Shrimp	25 g	20-100 µg/kg	8 Nov 19	19 Nov 19
PT14-6219	220	Chloramphenicol	Shrimp	25 g	0.1-2.0 µg/kg	9 Dec 19	17 Dec 19

Remark: 1) <sup>1</sup>The program is not ISO/IEC17043: 2010 accredited

2) <sup>2</sup>Price(s) do not include shipping charge



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Analyte group	Scope of analyte
Tetracycline group	Chlortetracycline, Doxycycline, Oxytetracycline, Tetracycline
$\beta$ -agonist	Salbutamol, Clenbuterol
Fluoroquinolone group	Enrofloxacin, Ciprofloxacin, Sarafloxacin, Norfloxacin, Danofloxacin, Difloxacin
Quinolone group	Flumequine, Oxolinic acid, Nalidixic acid
Nitrofurantoin metabolites	AHD(total), AMOZ(total), AOZ(total), SEM(total)
Malachite green & Crystal violet	Malachite green, Leucomalachite green, Crystal violet
Organochlorine group	Aldrin, alpha-BHC, alpha-Chlordane, alpha-Endosulfan, beta-BHC, beta-Endosulfan, Dieldrin, Dicofol, Endosulfan sulfate, Endrin, gamma-BHC (Lindane), gamma-Chlordane, Heptachlor, Heptachlor Epoxide, o,p'-DDD, o,p'-DDE, o,p'-DDT, p,p'-DDD, p,p'-DDT
Organophosphate group	Acephate, Azinphos ethyl, Chlorpyrifos, DDVP, Diazinon, Dicrotophos, Dimethoate, Ethion, EPN, Fenitrothion, Malathion, Methamidophos, Methidathion, Mevinphos, Monocrotophos, Omethoate, Parathion ethyl, Parathion methyl, Phosalone, Pirimiphos ethyl, Pirimiphos methyl, Profenofos, Prothiophos, Triazophos
Carbamate group	Aldicarb, Adicarb sulfone, Adicarb sulfoxide, Carbaryl, Carbofuran, Carbofuran-3-hydroxy, Carborufan-3-keto, Fenobucarb, Isoprocarb, Methiocarb, Methiocarb-sulfone, Methiocarb-sulfoxide, Metolcarb, Methomyl, Oxamyl, Promecarb, Thiodicarb
Pyrethroid group	Bifenthrin, Cyfluthrin, Cypermethrin, Deltamethrin, Fenvalerate, Lambda-Cyhalothrin, Permethrin
Sulfonamide group	Sulfanilamide, Sulfadiazine, Sulfapyridine, Sulfathiazole, Sulfamerazine, Sulfamethazine, Sulfamonomethoxine, Sulfachloropyridazine, Sulfamethoxazole, Sulfisoxazole, Sulfadimethoxine, Sulfaquinoxaline, Trimetoprim, Ormetoprim