

The Pharmaceutical and Dietary Supplements (PHARMASSURE) proficiency testing scheme includes samples for physicochemical analytical techniques and microbiological analyses. The following form contains the calendar of rounds followed by descriptions of the samples and prices.

Please complete all sections below and return to LGC AXIO Proficiency Testing: axiopt@lgcgroup.com

Returning customer Lab ID:

Purchase order no.:
(compulsory)

YOUR ORDER

If you would like to renew your order for the same samples/rounds as per previous year, please tick this box:

RENEW ME AS LAST YEAR

☐

We will copy over the samples/rounds purchased by you in the previous year and send you an order confirmation for your review. If you would like to add any other samples to your order, please mark them accordingly on the subsequent pages.

If you would prefer to place a different/new order for this scheme year, please review the samples available on subsequent pages and indicate the number of samples required for each sample/round accordingly.

SCHEDULE OVERVIEW

Month & Round	Despatch Date	Reporting Deadline	Chemistry	Microbiology
FEB PH100	22 Feb 2027	30 Mar 2027	01,2A,2E,6F,6J,6K,8B	4A,4B,05
MAR PH101	15 Mar 2027	19 Apr 2027	14,16,20,29,31,33,36	
MAY PH102	24 May 2027	28 Jun 2027	01,2B,6A,6B,6C,7A,11,22	03,05
AUG PH103	23 Aug 2027	27 Sep 2027	01,2A,2E,6D,6E,6F,6M,8A,35	4A,4B,05,09,24,25
OCT PH104	25 Oct 2027	29 Nov 2027	15,19,21,27,28,30,32,34,37	
NOV PH105	22 Nov 2027	10 Jan 2028	01,2B,6B,6G,6H,6I,7A,7B,7C,11	03,05,26,38

Please ensure that LGC receive your order as soon as possible in order to avoid stock shortages. Please note that orders received the week prior to the despatch date may be subject to a despatch delay.

The despatch date shown above is the date the sample will leave our site in the UK. Please note, this is not the date the samples will arrive at your laboratory. Delivery times vary based on country, if you require further information, please contact LGC.

SAMPLE AVAILABILITY – PLEASE SEE PAGE 1 FOR SPECIFIC DESPATCH AND REPORTING DATES

Please indicate the number of samples required per round in the grid. If you require a sample in all available rounds, please complete the **All Rounds** column.

Please note: Where a footnote symbol (* | # | ^ | †) appears in a column, the footnote description text may appear at the end of a table that may span across multiple pages. Please scroll to the end of the table for these details.

For Pharmacopoeia method information, please scroll to the end of the **SAMPLE AVAILABILITY** section.

CHEMISTRY

Chemical Testing				Round and Month (PH)						
Sample	Quantity	Supplied As	Target Analytes	All Rounds	FEB 100	MAR 101	MAY 102	AUG 103	OCT 104	NOV 105
PT-PH-01	Varying volumes	6 samples 1A-1F	1A: pH; 1B: Acid/Base titration; 1C: Other titrations, for the determination of: Dipotassium hydrogen phosphate, Sodium bicarbonate, Magnesium, Sodium chloride; 1D: Density; 1E: Refractive Index; 1F: Melting point	☐	☐		☐	☐		☐
PT-PH-02A	Varying volumes [^]	1 sample and reference standard (PH100: Assay. PH103: Related substances test)	HPLC Analysis	☐	☐			☐		
PT-PH-02B *	5g sample; 1g matrix	Powder	Trace elements	☐			☐			☐
PT-PH-02E *	2g sample; 1mL spike	Powder and spiking solution	Residual solvents	☐	☐			☐		
PT-PH-06A	Varying volumes [^]	Sample and reference standard [^]	Gas Chromatography (GC)	☐			☐			
PT-PH-06B	Varying volumes [^]	1 sample [^]	UV	☐			☐			☐

Chemical Testing				Round and Month (PH)						
Sample	Quantity	Supplied As	Target Analytes	All Rounds	FEB 100	MAR 101	MAY 102	AUG 103	OCT 104	NOV 105
PT-PH-06C	250mL	Liquid solution sample	Viscosity	☐			☐			
PT-PH-06D	Varying volumes^	1 sample^	Loss on Drying (LOD)	☐				☐		
PT-PH-06E	Varying volumes^	Sample and reference standard^	FTIR	☐				☐		
PT-PH-06F	Varying volumes^	PH100: Solid PH103: Liquid	Karl Fischer	☐	☐			☐		
PT-PH-06G	Varying volumes^	Sample, reference standard and TLC plates^	TLC	☐						☐
PT-PH-06H	60mL	Liquid solution sample	FLAA	☐						☐
PT-PH-06I	Varying volumes^	1 sample^	Polarimetry	☐						☐
PT-PH-06J	Varying volumes^	1 sample^	Advanced Titration	☐	☐					
PT-PH-06K *	1g	1 sample^	Nuclear Magnetic Resonance (NMR) Spectrometry	☐	☐					
PT-PH-06M *	Varying volumes^	1 sample^	Residue on Ignition	☐				☐		

Chemical Testing				Round and Month (PH)						
Sample	Quantity	Supplied As	Target Analytes	All Rounds	FEB 100	MAR 101	MAY 102	AUG 103	OCT 104	NOV 105
PT-PH-07A *	Varying volumes^	PH102: HPLC PH105: UV	Dissolution testing	☐			☐			
PT-PH-07B *	-	1 sample	Tablet testing	☐						☐
PT-PH-07C *	10 dosage units	Dosage units and reference standard	Uniformity of dosage units	☐						☐
PT-PH-08A *	125mL	1 sample	Low level conductivity (<50 µS/cm)	☐				☐		
PT-PH-08B *	-	1 sample	Particulate determination	☐	☐					
PT-PH-11. *	2 x 4mL	Solution	Endotoxins - Quantitative; Qualitative NEW	☐			☐			☐
PT-PH-22 *	1g	Powdered drug substances	N-nitrosodimethylamine (NDMA); N-nitrosodiethylamine (NDEA)	☐			☐			
PT-PH-35 * NEW	500mL	Aqueous solution	Very low conductivity (1-5 µS/cm)	☐				☐		

*Please note that these samples are not currently within the scope of LGC's UKAS accreditation

^Format depends upon type of test material.

Dietary and Herbal Supplements				Round and Month (PH)						
Sample	Quantity	Supplied As	Target Analytes	All Rounds	FEB 100	MAR 101	MAY 102	AUG 103	OCT 104	NOV 105
PT-PH-14 *	10g	Herbal supplement	Arsenic; Cadmium; Lead; Mercury	☐		☐				
PT-PH-15 *	2 x 5g sample	Sexual enhancement supplement	Adulterants (including Sildenafil) – Qualitative; Quantitative	☐					☐	
PT-PH-16	10mL of oil or 5g of powdered material	Oil or Powdered material	Cannabidiol	☐		☐				
PT-PH-19 * NEW	1g	Plant material or plant extract	Phytochemical identity confirmation	☐					☐	
PT-PH-20 *	30g	Multivitamin supplement	Vitamin B1; Vitamin B2; Vitamin B3; Vitamin B5; Vitamin B6; Folic acid; Biotin; Vitamin B12; Vitamin C	☐		☐				
PT-PH-21 *	15g	Multielement supplement	Calcium; Zinc; Magnesium; Copper; Manganese; Potassium; Iron; Total Chromium; Selenium; Compliance with labelling	☐					☐	
PT-PH-27 * NEW	2 x 5g	Weight loss supplement	Adulterants (e.g. sibutramine) – Qualitative; Quantitative	☐					☐	
PT-PH-28 * NEW	50g	Supplement powder	Creatine	☐					☐	
PT-PH-29 * NEW	20g	Supplement powder	Vitamin C	☐		☐				
PT-PH-30 * NEW	20g	Supplement powder	Berberine	☐					☐	

Dietary and Herbal Supplements				Round and Month (PH)						
Sample	Quantity	Supplied As	Target Analytes	All Rounds	FEB 100	MAR 101	MAY 102	AUG 103	OCT 104	NOV 105
PT-PH-31 * NEW	20g	Supplement powder	Coenzyme Q10	☐		☐				
PT-PH-32 * NEW	20g	Supplement powder	Astaxanthin	☐					☐	
PT-PH-33 * NEW	10g	Pre-natal supplement	Total Arsenic; Cadmium; Lead; Mercury	☐		☐				
PT-PH-34 * NEW	50g	Sport supplement	Alanine (free); Arginine (free); Aspartic acid (free); Glutamic acid (free); Glycine (free); Histidine (free); Isoleucine (free); Leucine (free); Lysine (free); Phenylalanine (free); Proline (free); Serine (free); Threonine (free); Tyrosine (free); Valine (free); Methionine (free); Tryptophan (total); N-acetyl-L-methionine; Ornithine (free); Citrulline (free); β-alanine; Glutathione ; Hydroxyproline (total); Norvaline (free); Theanine (free); Taurine (free)	☐					☐	
PT-PH-36 * NEW	-	3 x gummies	Cannabidiol	☐		☐				
PT-PH-37 * NEW	100mL	Cod liver oil	cis Alpha-linolenic acid (ALA); cis Eicosapentaenoic acid (EPA); Total Docosapentaenoic (DPA); cis Docosahexaenoic (DHA); Monounsaturated fatty acids; Polyunsaturated fatty acids; Saturated fatty acids; Total EPA+DHA Omega-3 fatty acids; Total Omega-3 fatty acids; Total Omega-6 fatty acids; Total Omega-9 fatty acids; Omega-3 : Omega-6 ratio; Total trans fatty acids; Vitamin A; Vitamin D	☐					☐	

*Please note that these samples are not currently within the scope of LGC's UKAS accreditation

MICROBIOLOGY

Microbiological Testing				Round and Month (PH)						
Sample	Quantity	Supplied As	Target Analytes	All Rounds	FEB 100	MAR 101	MAY 102	AUG 103	OCT 104	NOV 105
PT-PH-03	10ml (final test quantity 100ml)	Vial representing pharmaceutical product	Low-level enumeration; Identification of microorganism (Intended for membrane filtration)	☐			☐			☐

Microbiological Testing				Round and Month (PH)						
Sample	Quantity	Supplied As	Target Analytes	All Rounds	FEB 100	MAR 101	MAY 102	AUG 103	OCT 104	NOV 105
PT-PH-04A	10ml (final test quantity 100ml)	Vial representing pharmaceutical product	Total aerobic microbial count; Total bacterial count; Detection and/or Enumeration of <i>Staphylococcus aureus</i> ; <i>Escherichia coli</i> ; Bile tolerant gram-negative bacteria	☐	☐			☐		
PT-PH-04B	10ml (final test quantity 100ml)	Vial representing pharmaceutical product	Detection of <i>Pseudomonas aeruginosa</i> ; <i>Burkholderia cepacia</i> ; <i>Candida albicans</i> ; Enumeration of Yeast; Mould; Total yeast and mould; <i>Candida albicans</i>	☐	☐			☐		
PT-PH-05	5 x 5ml (final test quantity 5 x 100ml)	Vial representing pharmaceutical product	Sterility; Identification of microorganism	☐	☐		☐	☐		☐
PT-PH-09.	2 x 10ml (final test quantity 10ml)	Vial representing pharmaceutical product	Detection of <i>Salmonella</i> species	☐				☐		
PT-PH-24	10ml vial + 10g medicinal herb matrix	Vial + medicinal herb matrix	Total aerobic microbial count Detection and/or Enumeration of <i>Staphylococcus aureus</i> ; Bile tolerant gram-negative organisms; <i>Escherichia coli</i>	☐				☐		
PT-PH-25 *	10ml vial + 10g medicinal herb matrix	Vial + medicinal herb matrix	Detection and/or Enumeration of <i>Pseudomonas aeruginosa</i> ; <i>Candida albicans</i> ; yeast; mould; yeast and mould	☐				☐		
PT-PH-26 *	2 x 10ml vial + min 50g matrix	Vial + medicinal herb matrix	Detection of <i>Salmonella</i> species	☐						☐
PT-PH-38 * NEW	2 x 10ml vial + min 50g matrix	Vial + medicinal herb matrix	Detection of <i>Listeria</i> species; <i>Listeria monocytogenes</i>	☐						☐

*Please note that these samples are not currently within the scope of LGC's UKAS accreditation

†Please note that a volume discount may apply to this price, depending on the number of Pharmaceutical (PHARMASSURE) PT Scheme samples purchased. For further details, please see the Volume Quantity Discount section.

EUP, USP and CHP methods are indicated for information only. Other methods can be used by the participants.

Sample	EUP	USP	CHP
PT-PH-01	2.2.3	541	0601
	2.2.6	741	0612
	2.2.14	791	0622
	2.2.20	831	0631
	2.2.60		0701
PT-PH-02A	2.2.29	621	0512
PT-PH-02B	5.2	252	0411
			0406
PT-PH-02E	2.2.28	467	0861
	2.4.24		
PT-PH-03	2.6.12	-	1105
PT-PH-04A	2.6.12	-	1105
	2.6.13		1106

Sample	EUP	USP	CHP
PT-PH-04B	2.6.13	60	1105
		61	1106
		62	
PT-PH-05	2.6.1	71	1101
PT-PH-06A	2.2.28	621	0521
PT-PH-06B	2.2.25	-	0401
PT-PH-06C	2.2.9	911	0633
	2.2.10	912	
PT-PH-06D	2.2.32	731	0831
PT-PH-06E	2.2.24	197	0402
PT-PH-06F	2.5.12	921	0832
PT-PH-06G	2.2.27	621	0502
PT-PH-06H	2.2.22	232	0406
	2.2.23	233	
	2.2.57		

Sample	EUP	USP	CHP
PT-PH-06I	2.2.7	781	0621
PT-PH-06J	-	-	0701
			0702
PT-PH-06K	2.2.33	761	0441
PT-PH-06M	2.4.14	281	0841
PT-PH-07A	2.9.3	711	0931
PT-PH-07B	2.9.1	701	0101
	2.9.5	1216	0921
	2.9.7	1217	0923
	2.9.8		
PT-PH-07C	2.9.40	905	0941
PT-PH-08A	2.2.338	644	0681
PT-PH-08B	2.9.19	788	0903
	2.2.20		

Sample	EUP	USP	CHP
PT-PH-09	2.6.13	62	1106
PT-PH-11	2.6.14	85	1143
PT-PH-14	-	-	2321
PT-PH-22	-	1469	-
PT-PH-24	-	61	-
		62	
PT-PH-25	-	61	-
		62	
PT-PH-26	-	61	-
		62	

Please note that all accredited samples are accredited within the boundaries of LGC's fixed and flexible scope of UKAS accreditation. For further details and the full technical specification of the scheme, please refer to the [Scheme Description](#)

To access our General Protocol, covering our scheme organisation and operation, test materials, reporting of results, data analysis/performance assessment and information provided to participants, please click on the following link: [GENERAL PROTOCOL – PT Schemes](#)

YOUR DETAILS

Returning customers, if you would like to keep your contact/address details as per previous year, please tick here:

☐

If changes are required or you are a new customer, please complete your details below:

Send Test Materials to:	Send Invoices to:
Contact name:	Contact name:
Department:	Department:
Company:	Company:
Address:	Address:
Town/City:	Town/City:
County:	County:
Post/Zip Code:	Post/Zip Code:
Country:	Country:
Tel:	Tel:
E-mail:	E-mail:
	VAT no:

Existing customers

If you would like to change your marketing preferences, please visit our [preference centre](#) or contact axiopt@lgcgroup.com

New customers

LGC would like to contact you by email, phone or post about its products, services and related areas or research. LGC does not sell contact details to external parties. You may unsubscribe at any time.

- ☐ Yes, I am happy to be contacted about LGC's products, services and research
- ☐ No, I do not require marketing information about LGC's products and services at this time

By submitting this application form, you are agreeing to comply by LGC's Standard Terms and Conditions for the Supply of Laboratory Quality Products and Services and are agreeing that you have read and agree to the 'General Notes' at the end of this document.

Name

Date

VOLUME QUANTITY DISCOUNT

Please note that any additional/duplicate samples ordered will not contribute to the calculation of volume discount, but will be charged at a lower rate (see Repeat/Additional samples section).

Sample Reference	% Discount for taking all available rounds
05	10.0%

REPEAT/ADDITIONAL SAMPLES PRICES

Repeat and duplicate samples will be charged at 50% of the main sample cost. Please contact LGC for a quotation.

CARRIAGE CHARGES

Participants will pay an additional fee to cover courier charges. Please contact LGC AXIO Proficiency Testing for up-to-date charges.

CHANGES AND OTHER SCHEMES/SAMPLES OF INTEREST

CHANGES

We have introduced a number of new samples as follows:

- PT-PH-27 (Adulterants e.g. sibutramine in weight management supplement). This will be available in round PH104 (October 2027)
- PT-PH-28 (Creatine in creatine supplement). This will be available in round PH104 (October 2027)
- PT-PH-29 (Potency of Vitamin C supplement). This will be available in round PH101 (March 2027)
- PT-PH-30 (Potency of Berberine supplement). This will be available in round PH104 (October 2027)
- PT-PH-31 (Potency of CoQ10 supplement). This will be available in round PH101 (March 2027)
- PT-PH-32 (Potency of Astaxanthin supplement). This will be available in round PH104 (October 2027)
- PT-PH-33 (Elements in pre-natal supplements (California State Proposition 65)). This will be available in round PH101 (March 2027)
- PT-PH-34 (Amino acid profile in sports supplement). This will be available in round PH104 (October 2027)
- PT-PH-35 (Very low Conductivity in solutions). This will be available in round PH103 (August 2027)
- PT-PH-38 (Listeria in Dietary Supplements/Medicinal Herbs). This will be available in round PH105 (November 2027)

The following samples have been moved to the Pharmaceutical and Dietary Supplements (PHARMASSURE) scheme from the Food Chemistry (QFCS) scheme:

- PT-PH-36 Cannabidiol (CBD) in gummies (previously sample PT-FC-849)
- PT-PH-37 Essential composition and fatty acids breakdown of fish oil supplement (previously sample PT-FC-806)

We have re-introduced the following sample:

- PT-PH-19 (Phytochemical Identity Confirmation). This sample is available in round PH104 (October 2027)

Sample volume decreased for PT-PH-22 (Nitrosamines in pharmaceuticals/dietary supplement) from 2g to 1g

Sample volume increased for PT-PH-11 (Endotoxins in solutions) from 1 x 4mL sample to 2 x 4mL samples

We have changed the format of the following samples – **please see further explanation about this change below:**

- PT-PH-09 (Salmonella presence/absence): 2 x 10ml vials will now be provided

- PT-PH-26 (Salmonella in Dietary Supplements/Medicinal Herbs): 2 x 10ml vials plus minimum 50g matrix will now be provided

We have added a new analyte as follows:

- Endotoxins (Qualitative) added to PT-PH-11 (Endotoxins in solutions)

We have changed the frequency of the following samples:

- PT-PH-06B (UV) has been increased from 1 round to 2 rounds

The following samples have been moved to the Toys and Material Testing (CONSUMER PRODUCTS) scheme:

- PT-PH-12 (E-liquid physical/chemical analysis)
- PT-PH-23 (Additives in e-liquid)

Beyond Detection: Making Qualitative PT a True Test of Laboratory Performance

In routine testing, laboratories are often focused on avoiding false negatives because of food safety implications. However, false positives also have significant consequences such as unnecessary product holds or recalls, additional confirmatory testing costs or customer complaints. But what about Proficiency Testing?

Laboratories expect PT to assess their detection capability. For some, PT samples may be the only opportunity to test samples that are positive for the target pathogens. This explains why PT providers mostly include positive samples in their qualitative PT samples.

But if a PT program containing only positive samples answers the question: *"Can the laboratory detect the target when it is present?"*, it does **not** answer: *"Can the laboratory correctly demonstrate absence when the target is not present?"*

Negative samples reflect the reality of routine testing and challenge the entire analytical process (including identifying cross contamination issues), and a PT programme that never includes negative samples is largely unable to detect laboratories that are prone to false-positive reporting.

Unpredictability is a core value of proficiency testing; including negative samples prevents PT from becoming a simple "tick-box" exercise, whose outcomes have little benefit to the participant or their customers.

For this reason, we are enhancing the format of our qualitative food microbiology PT schemes by extending the two-sample (A and B) approach already used in a number of programmes to all qualitative samples currently offered in only one round per year. This will allow us to include more negative samples, as well as challenging strains and very low spike levels, providing a more comprehensive assessment of laboratory performance.

OTHER SCHEMES/SAMPLES OF INTEREST

We have a number of other Consumer Safety schemes available which may be of interest to you. Further details can be found on our [Consumer Safety schemes webpage](#).

GENERAL NOTES

Please note:

- All prices stated are exclusive of VAT and carriage charges.
- VAT (charged at the prevailing rate) is payable by all participants based in the UK.
- Participants will pay an additional fee to cover courier charges. Please contact LGC AXIO Proficiency Testing for up-to-date charges (where not specified previously in the application form).
- All courier charges set by LGC AXIO Proficiency Testing do not include local import charges, taxes (etc.), which will be covered by the participant.
- Do not send remittance with this form, you will be invoiced subsequently for the full year's participation.
- No refunds will be given for failure to take part in any round of the PT scheme.

- LGC AXIO Proficiency Testing reserves the right to not send samples or the report for previous samples to any participant that has not paid their subscriptions within the terms stated on the invoice.
- LGC AXIO Proficiency Testing cannot guarantee the number of participants that will return results for any particular parameter in each round.
- The prices stated are for reporting results and receiving reports electronically via PORTAL (internet reporting).
- Surplus PT samples (Quality Control Material) are available; please contact LGC AXIO Proficiency Testing for further information.
- By submitting this application form, you are agreeing to comply by [LGC's Standard Terms and Conditions for the Supply of Laboratory Quality Products and Services](#). Furthermore, for test samples containing microorganisms with a bio safety level (BSL) of 1 or 2, you are confirming that you are complying with applicable laws and regulations when using such materials.

LGC AXIO PT FOR INTERNAL USE ONLY

Name	
Customer	
Site	
Currency	
Address ID	
PO no	
Carriage	
Renew ALY	
Year for PY	

Dt	
Doc Text	
Quotation	
Co-ordinator	
Case Number	
Case Email Address	
Contact Name	
Template Name	
Additional	