KEMENTERIAN KESEHATAN REPUBLIK INDONESIA

11th Vendor Conference

InPULS Technical Specification Feedback

Kementerian Kesehatan RI

23 May 2025

InPULS Device

No	Project	Equipment	Quantity	Cost Estimate
1	InPULS	***Microbial Air Sampler***	TBC	TBC
2		***Nephelometer***	TBC	TBC
3		***Automated Blood Culture System***	TBC	TBC
4		***Automated Urine Analyzer***	TBC	TBC
5		***Biosafety Cabinet Class II Type A2***	TBC	TBC
6		***Conventional PCR***	TBC	TBC
7		***Digital PCR***	TBC	TBC
8		***ELISA Set (ELISA Reader, ELISA Washer)***	TBC	TBC
9		***Flow Cytometer***	TBC	TBC
10		***Laminar Air Flow***	TBC	TBC
11		***Dry Autoclave***	TBC	TBC
12		***Reagent Refrigerator***	TBC	TBC
13		***Electrophoresis Set***	TBC	TBC
14		***Sanger Sequencer***	TBC	TBC

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Template Excel

Template for Feedback

Download Template

A	B	C	D	E	F	G	H
Please download this excel spreadsheet, fill with your Feedback and upload to this Feedback Form with excel format (offline)							
No	Vendor Name	Package	Row Number	Criteria	Existing Spec	Proposed Spec	Remarks (if any)
Contoh	PT. Maju Mundur	Ophthalmoscope	67	Ambient Temp Accuracy	±1°C	±5°C	Provide reasoning for the proposed spec

DO NOT attach product photos, brochures, or promotional images in the form or in the Excel file. Only text-based input is required in the provided fields.

Specification Feedback

Feedback dapat disampaikan melalui link berikut

Feedback Form - InPULS Technical Specification

Deadline – June 2, 2025 – 15:00 WIB

Informasi Alat
InPULS

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List of device - InPULS

No	Jenis Alat	Vendor Conference
Kategori A (Hematologi, Kimia Klinik dan Imunologi) – 9 Alat		
1	Hematology Analyzer	✓
2	Chemistry Analyzer	✓
3	Semi Automated Urine analyzer	✓
4	Automated Urine analyzer	X
5	ELISA Set (ELISA Reader dan ELISA Washer)	X
6	Immuno Analyzer (Chemiluminescence Immunoassay / CLIA)	✓
7	Hb Electrophoresis Analyzer	X
8	Flow cytometer	X
9	Immunoassay For Newborn Screening (Fluorescence immunoassay / FIA)	✓
Kategori B (Mikrobiologi) – 14 Alat		
10	Digital Colony Counter	X
11	Automated Colony Counter	X
12	Inkubator	X
13	Inkubator CO2	X
14	Biosafety Cabinet Class II Type A2	X
15	Biosafety Cabinet Class II Type B2	X
16	Nephelometer	X
17	Mikrobiologi Air Sampler	X
18	Microba Analyzer	✓
19	MALDI-TOF	X
20	Mycobacteriology analyzer for tuberculosis using Liquid media	✓
21	Endotoxin LAL Assay (Quantitative)	✓
22	Anaerobic Jar	X
23	Automated Blood Culture System	X

List of device - InPULS

No	Jenis Alat	Vendor Conference
Kategori C (Biologi Molekuler) – 21 Alat		
24	Tes cepat molekuler	X
25	Automatic Extractor	✓
26	Real Time PCR	✓
27	Laminar Air Flow	X
28	Spindown	X
29	Heat block	X
30	NGS- Long Read Sequencer	✓
31	NGS Short Read Sequencer	X
32	PCR Konvensional	X
33	Digital PCR	X
34	Shaker Plate	X
35	Alat kuantifikasi DNA	X
36	Magnetic stand	X
37	Sanger sequencer	X
38	Electrophoresis Set	X
39	Trans Illuminator Gel Electrophoresis	✓
40	Sonicator chamber	X
41	Rocking Shaker	X
42	Tissue disruptor	X
43	Bioinformatics System (computer dan software)	X
44	Oligosynthesizer	X

List of device - InPULS

No	Jenis Alat	Vendor Conference
Kategori D (Kesehatan Lingkungan) – 23 Alat		
45	Anemometer	X
46	Flowmeter udara	X
47	Low Volume Air Sampler	X
48	High Volume Air Sampler	X
49	CO detector	X
50	CO2 detector	X
51	Air Sampler Impinger	X
52	Total Dissolved Solids (TDS) Meter	X
53	Chemical Oxygen Demand (COD) Reactor	X
54	Biochemical Oxygen Demand (BOD) Incubator	X
55	Manifold pump set/membrane filter	X
56	*Desiccator*	X
57	*Stomacher*	X
58	Turbidimeter	X
59	*Surveymeter (Radiation meter)*	X
60	*Radon gas detector*	X
61	*Air Quality Monitorium System (AQMS)*	X
62	*Liquid Scinstilation Counting (LSC)*	X
63	Ion Kromatografi	X
64	*Digital Particulate meter PM 2,5* dan 10	X
65	Vacuum pump (portable)	X
66	*Dissolved Oxygen (DO) Meter*	X
67	*UV index test*	X

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No	Jenis Alat	Vendor Conference
iKategori E (Toksikologi) – 8 Alat		
68	Spektrofotometer UV Vis	X
69	Atomic Absorption Spectrophotometry (AAS)	X
70	Inductively Coupled Plasma Optical Emission Spectrometry (ICP OES)	X
71	Inductively Coupled Plasma Mass Spectrometry (ICP-MS)	X
72	Gas Chromatography-Mass Spectrometry (GC-MS) FID Headspace, Pyrolysis	X
73	High Performance Liquid Chromatography (HPLC)	X
74	Gas Chromatography-Tandem Mass Spectrometry (GC-MS/MS FID Headspace, Pyrolysis	X
75	Liquid Chromatography-tandem Mass Spectrometry (LC-MS/MS) Detector	X
Kategori F (Vektor dan Binatang Pembawa Penyakit) – 1 Alat		
76	Entomologi Kit	X
Kategori G (Penunjang) – 16 Alat		
77	Mikropipet (0-2 mikron, 1-10 mikron, 10-100 mikron, 20-200 mikron, 100-1000 mikron) + Carousel	X
78	Mikroskop Binokuler	X
79	*Low speed centrifuge* (darah dan urin)	X
80	*Rotator Plate*	X
81	*Dehumidifier*	X
82	Multichannel Pipet (1-10µ, 10-100µ, 20-200µ,100-1000µ – 8 row)	X
83	*Water purification system*	X
84	Dispenser Pipet	X
85	Mikroskop Stereo	X
86	Refrigerated Centrifuge (highspeed)	X
87	Oven	X
88	Lemari Asam	X
89	Lemari Reagen Flammable	X
90	Refrigerator Laboratory Grade (untuk sampel lingkungan dan makanan)	X

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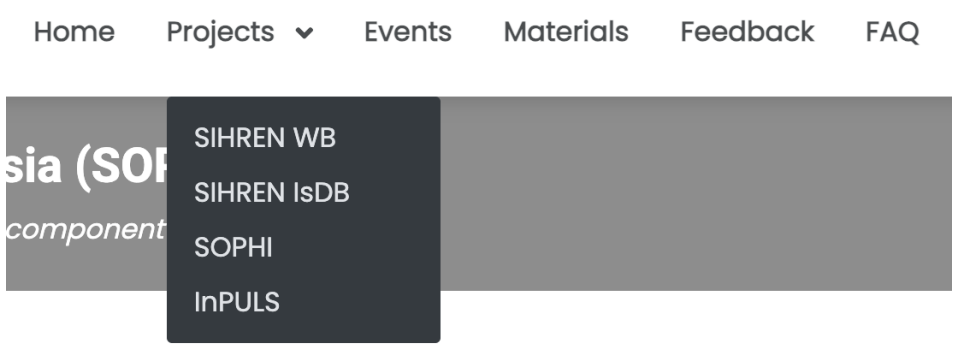
No	Jenis Alat	Vendor Conference
91	Refrigerator Laboratory Grade (untuk Specimen)	X
92	Refrigerator Laboratory Grade (untuk reagen)	X
93	Freezer -20 with rack system	X
94	Thermocouple	X
95	Analytical Balance	X
96	Analytical Balance micro	X
97	Autoklaf Basah	X
98	Autoklaf Kering	X
99	Waterbath	X
100	Vortex	X
101	Magnetic Stirer with hotplate	X
102	Deep Freezer (-80) with rack system (drawer)	X
103	Temperature Monitoring system for refrigerator and freezer dengan notifikasi	X
104	Freeze dry machine (cryopreservation)	X
105	Microwave digester	X
106	Teaching microscope	X
107	Mikroskop Inverted	X
108	Mikroskop Lapangan Gelap	X
109	Mikroskop Fluorescence	X
110	Liquid Nitrogen Tank with canester	X
111	Refrigerated Centrifuge (ultra high speed)	X
112	Nitrogen evaporator	X

List of device - InPULS

No	Jenis Alat	Vendor Conference
Kategori H (Kalibrasi) – 9 Alat		
113	Anak Timbangan Class F1 (1 mg – 2 kg)	X
114	Anak Timbangan standar E2 (1 mg – 2 kg),	X
115	Mass Comparator	X
116	Filter standard	X
117	PRT (Platinum Resistance Thermometer)	X
118	Dry block	X
119	Thermocouple dengan temperatur data logger min 10 channel (type K, type T, type RTD)	X
120	Humidity Chamber	X
121	Temperature and pressure data logger	X

Next Vendor Feedback

New Specification feedback will be published on https://ihss.kemkes.go.id/
On the respected pages, SIHREN, SOPHI or InPULS



Announcement

Show entries

No.	Notice Type	Product
80	Feedback Technical Specification	Feedback Form - Technical Specification for SOPHI (Suction Pump and Centrifuge)

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No.	Devices	Parameter/Starter Kit	Annual Test (Per Year)
1	**Autometed urine Anlyzer**	Sample Cuvettes	500
		Reagents (If Applicable)	500
		Test Strips / Casettes	500
		Calibration and Quality Control Materials	500
		RFID Tags	500
2	**ELISA Set (ELISA Reader, ELISA Washer)**	Paper for printer	150
		96- or 384-well plates	600
		Pipette tips	850
		Antibodies/Antigens	550
		Standard curve material/calibrators	450
		Enzyme conjugates	50
		Substrate	350
		Stop solution	350
		Washing buffer (e.g. Phosphate buffered saline)	350
		Blocking buffer	350
		Plate sealing film	150
		Wash buffer bottles/reservoirs	150
		Tubing for draining washer	150
3	**Flow Cytometer**	Sheath fluid	100
		Cleaning fluid	50
		Calibration beads	50
		QC fluorescent beads/fluorospheres	50
		Waste container	50
4	**Microbial Air Sampler**	Consumables to be included in the starter kit.	1,140
5	**Nephelometer**	Sample tubes/cuvettes	200
		Additional consumables to be included in the starter kit, bidder to specify	200
		Others	200
6	**Biosafety Cabinet Class 2A**	Medical grade HEPA filter type H13	3
		In-line HEPA filter (or equivalent)	2
		Spare UV Light	10
		Biohazard disposable bags	150
		Disposable gloves	300
		Disposable disinfectant wipes	1,600

No.	Devices	Parameter/Starter Kit	Annual Test (Per Year)
7	**Automated Blood Culture System**	Blood Culture Media (Aerobic, Adult)	2,000
		Blood Culture Media (Anaerobic, Adult)	2,000
		Blood Culture Media (Aerobic, Pediatric)	2,000
		Blood Culture Media (Mycobacteria) - Prefrerred spec	200
		Blood Culture Media (Fungal) - Prefrerred spec	200
		Blood Culture Media (Fungal) - Prefrerred spec	200
		Printing Paper, if appicable - Prefrerred spec	200
8	**Laminar Air Flow**	Medical grade HEPA filter type H13	2
		Pre-filter	2
		In-line HEPA filter (or equivalent)	2
		Disposable gloves	500
		Disposable disinfectant wipes	400
		Disposable face shield	100
		Spillage kit	30
9	**Conventional PCR**	DNA Polymerase	850
		Solution Mix	850
		cDNA Synthesis Kit	700
		PCR Kit	850
		Master Mix	850
		96-well PCR Plates	900
		Sealing Film	800
		PCR Strips	600
		Flat PCR Tube	500
		Domed PCR Tube	400
10	**Digital PCR**	Droplet Generator Oil	200
		PCR Master Mix/Enzyme Mix	2,300
		Sample Loading Reagents	950
		Multiplex Reagents	950
11	**Sanger Sequencer**	Polymer Cartridge	100
		Buffer Cartridge	100
		Capillary Preservation Buffer	50
		Capilary	50
		Reagen cycle sequencing (kit sequencing)	50
12	**Electrophoresis Set**	Buffer solution	500
		Staining dyes (e.g., SYBR Safe, Coomassie Blue, Silver Stain)	500
		IEF strips	50
		Blotting paper	50