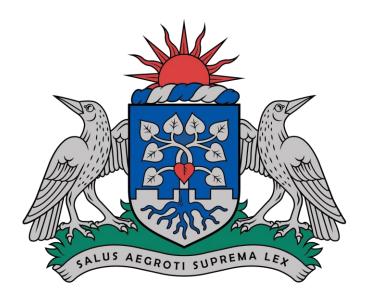


Development of Digitalization in the PSUH Joint Laboratory









The current situation (1)

- All laboratory test results are available in digital format in the laboratory information system (LIS) 'Dialab'.
- The results from LIS are sent to the hospital information system (HIS) 'Ārsta Birojs', 'DataMed', and the 'eHealth Laboratory Module'.

is uzsējums uz aerobo un fakultatīvi anaerobo mikrofloru/sēnēm BactALERT sistēmā

s 8. Nefroloģijas nodaļa ārsts Linda Štelce

n farks)	to jutigums 23411517 - 05.0	5.09.2023 10:38
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araugs 23433601bl

nateriāls asinis paraugs paņemts 19.09.2023 --:-- reģistrēts 19.09.2023 10:57; 🛛 🙀

mekléjumu ilgums - 3 diena(s)

Grupa	Analīze / reģistrēšanas datums un reģistrators	Rezultāts / izpildes datums, izpildītājs un valīdētājs	Dafiet anallal	Dates result.				
	Ekstra parametrs*							
	21.09.2023 08:30. Prijepska							
	Manipulācija*	44002 - negativs 44004 - pozitivs						
	19.09.2023 10:09, Birojs	44002 - IICYBUVS 44004 - POZIUVS						
	Izmeklējumu rezultāts*	DZITĪVS						
	19.09.2023 10:09, Birojs	21.09.2023 08:02, Prijepska		1				
	Jutiba*	uzlikta netika likta						
	19.09.2023 10:09, Birojs							
	Mikroskopija pēc Grama*	Gram- m/o nūjiņas		1771				
	19.09.2023 10:09, Birojs	20.09.2023 09:51, Prijepska		1				
<i>.</i>	Bact/ALERT aerobā pudele (FA Plus)*	uzsēts						
	19.09.2023 10:09, Birojs	19.09.2023 10:57. Düce						
.1	Bact/ALERT aerobā pudele (FA Plus)*	uzsējums aug						
	19.09.2023 10:09. Birojs	20.09.2023 04:25, , Prijepska						
.1.1	Kolumbijas asins agars	uzsēts						
	20.09.2023 04:25,	20.09.2023 08:04. Straumane	-					
.1.1	Kolumbijas asins agars	uzsējums aug MALDI Id sc. 2.21 Ps. aeruginosa / vid. pelēk. kol ar hemol., specif. smaka		1				
	20.09.2023 04:25,	20.09.2023 14123, Prijepska						
.1.1.1	Grama krāsošanas metode	Atrod Gr- nūjiņas		1				
	20.09.2023 14:24, Prijepska	20.09.2023 14:25. Prijepska	-					



- 0 ×

-	-	19.09.2023 10:09, Biroja	19.09.2023 10:57, Düce	-		
+	1.1	Bett/ALERT serobă pudele (FA Plus)* 19.09.2023 10:09. Birole	uzsējums aug 20.09.2023 04:25, , Prijepska	*		×
	100-00	Kolumbijas esins agars	uzsēts			
	1.1.1	20.09.2023 04:25.	20.09.2023 08:04, Straumane			
+	1.1.1	Kolumbijas asins agars 20.09.2023 04:25.	uzsējums aug MALDI Id sc. 2.21 Ps. aeruginosa / vid. pelēk. kol ar hemol., specif. smaka 20.09.2023 14:23. Prijepska			
	1.1.1.1	Grama kräsplanes metode 20.09.2023 14:24, Prijepska	Atrod Gr- nüjipas 20.09.2023 14:25. Prijepska			
+	1.1.1.2	Manuálá ID 20.09.2023 14:24, Prijepska	Pseudomonas aeruginosa 21.09.2023 08:01. Prijezska			¥
	1.1.1.2.1	Piperacilin/Tadobactam 20.09.2023 14:24. Prilepska	27 / 1 D - Pseudomonas spp. 21.09.2023 08:02. Prijepska		٥	0
	1.1.1.2.1	Cettabdime 20.09.2023 14124. Prijepska	26 / 1 D - Pseudomonas spp. 21.09.2023 08:02, Pr@epeka		٥	ø
	1.1.1.2.1	Imipanam 20.09.2023 14:24, Prijepska	26 / I D - Pseudomonas spp. 21.09.2033 08:02, Prépeka	Ð	0	ġ
3	1.1.1.2.1	Meropenem 20.09.2023 14:24. Prijepske	27 / S D - Pseudomonas spp. 21.09.2023 08:02. Prijepska		0	0
	1.1.1.2.1	Ciprofloxacin 20.09.2023 14:24, Prijepska	30 / 1 D - Pseudomonas spp. 21.09.2023 08:02, Prijepska		0	0
	1.1.1.2.1	Amikadn 20.09.2023 14:24. Prijepska	25 / S D - Pseudomonas spp. 21.09.2023 08:02, Pr(apaka		0	0
	1.1.1.3	Koloniju izskats 21.09.2023 08:01, Prijepska	Kolonijas S tipa 21.09.2023 08:02, Prijepska			
	1.1.2	MacConcey agars 20.09.2023 04:25,	uzsēts 20.09.2023 08:04, Straumane	8		
÷	1.1.2	MacConcey agers 20.09.2023 04:25	uzsējums aug. gaišas kol. kol. ar zajo pigmentu 21.09.2023 07:39. Prijepska			
	1.1.3	Hanitole s8is agent 20.09.2023 04:25,	uzsēts 20.09.2023 08:04. Straumane			
	1.1.3	Monitole s8is agers 20.09.2023 04:23,	uzsējums nav audzis 21.09.2023 06:00. Pviepska			
	1.1.4	CNA asins agers 21.09.2023 13:49, Prijepska	uzsēts 21.09.2023 13:49. Prijapaka	۵		
÷	1.1.4	CNA asins agars 21.09.2023 13:49. Prilepska	uzsējums augi tip. Pseudomonas sp. (23433637bl Listeria monocytogenes) 22.09.2023 09:50. Pr(epska			

^ 12 (1) 1403 22.09.2023



5.1 Asins uzsējums uz aerobo un fakultatīvi anaerobo mikrofloru/sēnēm BactALERT sistēmā

Pacient: , 90 g.v.) slim.vēst.Nr. 31559/2023 nosūtītājs Neiroloģijas klīnika ārsts Janis Vētra

Pacienta iepriekšējie izolāti un to jutigums (reģ. Nr un laiks) 20116968 - 13.03.

20116968 - 13.03.2020 20:33 23246237 - 25.05.2023 20:58

Paraugs 23430108bl

materiāls asinis no labās rokas paraugs paņemts 17.09.2023 10:47 reģistrēts 17.09.2023 11:15;



izmeklējumu ilgums - 5 diena(s)

ievienot malizes	Grupa	Analize / reģistrēšanas datums un reģistrators	Rezultāts / izpildes datums, izpildītājs un validētājs	Dzēst analīzi	Dzēst rezult.	Dzēst RIS	Ne- drukit Banka
		Manipulācija*	44002 - negatīvs	2 - 3	Ĩ		-
		17.09.2023 10:48, Birojs	22.09.2023 11:30. , nav validēts		-		
+		Izmeklējumu rezultāts*	tīvs				
-		17.09.2023 10:48, Birojs	22.09.2023 11:30, , nav validēts				
		Jutiba*	netika likta				
		17.09.2023 10:48, Birojs	22.09.2023 11:30, , nav validēts				
+ 1	1	Bact/ALERT aerobā pudele (FA Plus)*	uzsēts				
		17.09.2023 10:48, Birojs 17.09.2023 12:37, Straumane					
1	1.1	Bact/ALERT aerobā pudele (FA Plus)*	uzsējums nav audzis				
		17.09.2023 10:48, Birojs	22.09.2023 11:30, , nav validēts				
			Komentāri				64-

The current situation (2)

Results from clinical chemistry, hemostasis, and urine analysis analyzers are processed in Middleware software before being entered into the LIS

This has enabled the automation of:

- Technical validation of results
- Generation of comments
- Generation of problematic samples"

The current situation (3)

The laboratory operates with two additional software systems:

- An automated temperature monitoring system with more than 70 temperature loggers
- A warehouse management system for managing the inventory of reagents and supplies.



Future plans

- Use of artificial intelligence for faster determination of microbiological sensitivity.
- Integration of LOINC and SNOMED codes.
 - Logical Observation Identifiers Names and Codes (LOINC®) is clinical terminology that is important for laboratory test orders and results, and is one of a suite of designated standards for the electronic exchange of clinical health information.
 SNOMED CT or SNOMED Clinical Terms is a systematically organized computer-processable collection of medical terms providing codes, terms, synonyms and definitions used in clinical documentation and reporting.
- Fuller utilization of inventory management system functions automatic ordering.
- Partial automation of clinical validation.