

RATES

for carrying out analyses and laboratory examinations practiced by Institute for
Control of Veterinary Biological and Medicinal products

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
1.	Solubility	200
2.	Organoleptic control	52
3.	Clarity and degree of opalescence of liquids	89
4.	Degree of coloration of liquids	1030
5.	Identification reactions of ions and functional groups	312
6.	Identification by gas-chromatography	812
7.	Identification by thin-layer chromatography	500
8.	Identification by Infrared Absorption spectrophotometry	554
9.	Identification by UV-VIS spectrophotometry (alcoholic solution)	489
10.	Identification by UV-VIS spectrophotometry (aqueous solution)	375
11.	Identification by UV-VIS spectrophotometry (organic solvents)	702
12.	Potentiometric titration (assay)	220
13.	Gravimetric methods	348
14.	Volumetric methods	248
15.	Density determination of liquids (density bottle/ pycnometer method)	170
16.	Density determination of liquids (density meter method)	118
17.	Determination of melting point (instrumental method)	216
18.	Determination of drop/freezing / boiling/ gelling point	211
19.	Viscosity (capillary viscometer method)	232
20.	Viscosity (rotating viscometer method)	241
21.	Size determination of suppositories, pessaries and tablets	61
22.	Disintegration of suppositories, tablets and capsules	106
23.	Determination of resistance of tablets	155
24.	Friability of tablets	164
25.	Uniformity of mass of single – dose preparations	153
26.	Test for extractable volume of parenteral preparations	213
27.	Microscopic control of plant powders	179
28.	Determination of acetyl value	353
29.	Determination of hydroxyl value	531
30.	Determination of acid value	231
31.	Determination of peroxide value	239
32.	Determination of saponification value	244
33.	Determination of ester value	268
34.	Determination of iodine value	216
35.	Determination of unsaponifiable value	372
36.	Determination of nitrogen in organic combinations	291
37.	Determination of artificial tension	253
38.	Determination of impregnating factor for plants	197
39.	Determination of optical rotation	247
40.	Determination of refractive index	195
41.	Limit tests	216
42.	Determination by UV-VIS spectrophotometry	437
43.	Determination of residue on ignition or evaporation	209
44.	Polarographic method (assay)	422
45.	Separation by chromatographic columns	643
46.	Determination by thin – layer chromatography	556
47.	Determination of alcohol content from pharmaceuticals	215
48.	Determination of tannins from plant and pharmaceuticals	336
49.	Determination of volatile oils from plant and pharmaceuticals	223
50.	Destruction of samples to determine the limits of metals	258
51.	Sedimentation test	149
52.	Determination of bitterness value	206
53.	Microchemical control of plant products	204
54.	Spraying and drying plant products for dosing	30

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
55.	Degreasing of plant products for dosing	39
56.	Extraction of active principles from plants and pharmaceuticals for identification or dosing	354
57.	Purification of solutions for dosing by extraction	285
58.	Potentiometric determination of pH	209
59.	Loss on drying	173
60.	Particle size	185
61.	Determination of distillation range	278
62.	Determination of powder fineness	171
63.	Determination of suspension stability	165
64.	Sample passage determination of emulsion and suspension	177
65.	Determination of homogeneity for ointments and powders	80
66.	Determination of decay time for foams	48
67.	Determination of foaming power	320
68.	Determination of apparent density for powders	184
69.	Determination of the average molecular weight for dextran powder	261
70.	Total content of fatty oils	104
71.	Soluble substances from vegetable products	87
72.	Ash insoluble in hydrochloric acid	70
73.	Behavior of suppositories at melting or dissolution	61
74.	Stretch capacity of ointments	59
75.	Disintegration of effervescent products	141
76.	Concentrating the organic solvents by rotary evaporation	91
77.	Concentrating the aqueous solution by rotary evaporation	87
78.	Filtration by membrane filter with porosity from 0.30 - 0.50 μm for measurements with high technology equipment	53
79.	Determination by Infrared Absorption spectrophotometry	566
80.	Determination by atomic absorption spectrometry	914
81.	Determination by atomic emission spectrometry	910
82.	Assay by HPLC	1050
83.	Assay by GC	814
84.	Assay by GC (HEAD – SPEACE method)	915
85.	Determination of residual moisture by Karl-Fischer method	179
86.	Protein nitrogen dosage from biological product by Kjeldahl method	388
87.	Determination of emulsion type	59
88.	Determination of aminic protein from biological product	333
89.	Content determination of sodium chloride	158
90.	Determination of formaldehyde from biological product by iodimetric method	326
91.	Content determination in aluminium oxide	156
92.	Determination of the emulsion viscosity	17
93.	Control of the emulsion stability (vaccines)	23
94.	Laboratory control of the diagnostic sets by ELISA method/plate	359
95.	Laboratory control by immunocromatographic test	135
96.	Determination of specific antibodies titre by ELISA method	302
97.	Test of the preparation sensitising effect on 6 guinea-pigs	2128
98.	Test of the preparation sensitising effect on 3 guinea-pigs	1214
99.	Efficiency test on 9 guinea-pigs	2201
100.	Efficiency test on 24 guinea-pigs	5086
101.	Preparation toxicity test	484
102.	Haemagglutination inhibition test	141
103.	Haemagglutination test	107
104.	The complement fixation test CFT Wasserman	305
105.	Agar gel immunodiffusion test	157
106.	Determination of haemolytic serum titre	190
107.	Determination of complement titre	215
108.	Test for purity by bacterioscopic examination	118
109.	Macroscopic control of biological products	34
110.	Control of bacterial and fungal sterility/bottle	45

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
111.	Purity Control of bacterial - colony isolation technique	111
112.	Residual toxicity Control vaccine/mice	235
113.	Biochemical Control bacterial strains - fermentation medium-hydrocarbonate/medium	77
114.	Control of the inactivation on specific culture mediums	91
115.	Control of the viral inactivation on cell culture	642
116.	Control of the viral inactivation on cell culture – hemadsorbtion negative	644
117.	Control of the viral inactivation on mice/ Inactivated rabies vaccine	430
118.	Control of the viral inactivation on embrionated eggs	162
119.	Inactivation control of tetanus toxine	488
120.	Purity Control-bacterioscopic examination-Gram coloration	30
121.	Purity Control-bacterioscopic examination-Giemsa coloration	30
122.	Purity Control-bacterioscopic examination- methylene blue coloration	30
123.	Purity Control-bacterioscopic examination- Casares Gill coloration	47
124.	Purity Control-bacterioscopic examination- Malachite green coloration	28
125.	Control of viral purity on chickens	1375
126.	Control of viral purity on embrionated eggs	1084
127.	Control of viral purity on cell culture	708
128.	IPIC strain – Newcastle Disease	842
129.	Control concentration of live bacterial vaccines	532
130.	Control concentration of vaccines against anthrax (spori)	615
131.	Control concentration of antifungal vaccines (spori)	518
132.	Control concentration of live virus on cell culture	614
133.	Control concentration of live virus on cell culture and direct immunofluorescence	1001
134.	Control concentration of live virus on mice – antirabies live vaccines	806
135.	Control concentration of live virus UFF/ml – Marek Disease	651
136.	Control concentration of live virus EID 50 on SPF embrionated eggs	659
137.	Control concentration of live virus EID 50 on susceptible embrionated eggs	218
138.	Control concentration of live virus on cell culture TCID50	539
139.	Control LD50 on chicken	729
140.	Control LD50 on embrionated eggs	323
141.	Determining of DL50 (Reed & Muench) / mouse	1020
142.	Determining of DLM / Guinea pigs	2290
143.	Vremia control on chicken - Marek's disease	1349
144.	Determining LT/10/mice-clostridiene toxins	739
145.	Determining of DP50 /mice	1687
146.	Biological value control-seroneutralization / mice – tetanus antitoxin	650
147.	Edematogen-character control - strain of B. anthracis	1162
148.	Specificity control-Salmonella	67
149.	Specificity control- Leptospira spp.	242
150.	Specificity control DI 50 on chicken – fowl pox	622
151.	Antigenic specificity control on cell cultures	719
152.	Antigenic specificity control on cell cultures and hemadsorbtion test	969
153.	Determination of antigenic specificity-direct immunofluorescence test on smears	475
154.	Antigenic specificity-serum neutralization control on cell cultures	3740
155.	Antigenic specificity-serum neutralization Control on cell cultures - FAVN	3815
156.	Controlling vaccine-strain pathogenicity of B. anthracis	2664
157.	Apathogenicity control/pork-E. rhusiopathiae strain vaccine	393
158.	Apathogenicity control/ rabbits -E. rhusiopathiae strain vaccine	1224
159.	Pathogenicity control / pigeons -E. rhusiopathiae strain vaccine	1354
160.	Safety control sheep, goats, cattle, horses, swine	328
161.	Safety control/ /baby duck /baby goose	72
162.	Safety control on younger birds	102
163.	Safety control on SPF chickens (1-30 days)	1574
164.	Safety control on chicken (1-30 days)	81
165.	Specific safety control/dog	166
166.	Specific safety control/dog - rabies	261
167.	Specific safety Control/cat	142

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
168.	Non-specific safety control on one rabbit	321
169.	Non-specific safety control on one Guinea pigs	307
170.	Non-specific safety control on one mice	78
171.	Titration pathogenic strain of B. anthracis by challenge /rabbits	6234
172.	Titration pathogenic strain of B. anthracis- challenge /Guinea pigs	5290
173.	Immunogenicity -challenge/sheep- vaccine against anthrax	708
174.	Immunogenecity /rabbits (IHA) - vaccine against rabbit haemorrhagic disease	1681
175.	Immunogenecity /dogs (IHA) - vaccine against parvovirus disease	1022
176.	Control of protective value through SN and IHA mixed antiviral serum and bovine antipasteurelic	1204
177.	Immunogenicity –challenge / pigs - antibacterial vaccines	925
178.	Immunogenicity –challenge / palmipeds - antibacterial vaccines	688
179.	Immunogenicity –challenge / grouse - antibacterial vaccines	2585
180.	Immunogenicity/virus neutralization on embrionated eggs	3680
181.	Imunogenicity/virus neutralization on cell culture (CEF)	2109
182.	Immunogenicity –challenge / Guinea pigs - antibacterial vaccines	6098
183.	Immunogenicity –challenge / mouse - antibacterial vaccines	1403
184.	Immunogenicity –challenge / hamsters - antibacterial vaccines	751
185.	Safety control on chicken (without animals)	281
186.	Potency control on chickens (without animals)	512
187.	Control concentration of live virus EID 50/ml (without embrionated eggs)	216
188.	Imunogenicity control – HI/ chicken	1964
189.	Imunogenicity control by potency and HI/ chicken	1907
190.	Imunogenicity control by challenge for fowl pox	1793
191.	Immunogenicity tetanus vaccines by seroneutralization / mouse	2604
192.	Seroneutralization control / mouse	948
193.	Clostridial antitoxin titer determination / type	2967
194.	Immunogenicity – RMAL – antileptospirosis vaccine	2333
195.	Slow agglutination reaction - RSAL	230
196.	Fast agglutination reaction - RSAR	29
197.	Fungal inactivation control of the antifungal vaccines	455
198.	Fungal specificity control of the antifungal vaccines	518
199.	Potency by challenge of the antifungal vaccines	264
200.	Control of residual virulence from rabies vaccines bates	848
201.	Control of immunogenicity on guinea pigs – viral vaccines (immunization, blood sampling)	2774
202.	Potency test on mice of inactivated rabies vaccines	7508
203.	Control of virus concentration from vaccines/virus suspensions on cell culture with indirect immunofluorescence test	1097
204.	Inhibition of hemagglutination test for immunogenicity of viral vaccines	1147
205.	Seroneutralisation test on cell culture (immunogenicity of viral vaccines)	1588
206.	Control of virus concentration from vaccines/virus suspensions on cell culture with hemadsorbtion test	1030
207.	Pyrogens testing / Control of pyrogenic impurities	702
208.	Abnormal toxicity testing on mice / Control of toxigenic impurities	225
209.	Microbiological assay for antibiotics, quinolones, vitamins	521
210.	Bactericidal activity testing for chemical disinfectants and antiseptics	876
211.	Fungicidal activity testing for chemical disinfectants and antiseptics	636
212.	Active principles extracting from pharmaceutical products – liposoluble forms	521
213.	Quantitative microbiological assays – bacterial, fungical strains from probiotics	506
214.	Qualitative microbiological assays – bacterial, fungal strains from probiotics	649
215.	Antimicrobial effectiveness testing for preservative substances	1867
216.	Bacterial endotoxins testing (L.A.L. test)	1671
217.	Sterility testing for the pharmaceutical products without antimicrobial substances/catgut, bandages, surgical thread	530
218.	Sterility testing for antibiotics, quinolones, antimycotics	912
219.	Growth promotion test for culture media used for pharmaceutical products' sterility testing	208
220.	Biocide effect evaluation for disinfectants on test objects (phase II, stage 2)	1000

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
221.	Total aerobic microbial count for non-sterile pharmaceutical products	555
222.	Total yeasts and moulds counts for non-sterile pharmaceutical products	491
223.	Qualitative and quantitative testing for bile-tolerant Gram-negative bacteria for non-sterile pharmaceutical products	672
224.	Qualitative testing for Escherichia coli for non-sterile pharmaceutical products	355
225.	Qualitative testing for Staphylococcus aureus for non-sterile pharmaceutical products	316
226.	Qualitative testing for Salmonella spp. For non-sterile pharmaceutical products	361
227.	Qualitative testing for Pseudomonas aeruginosa for non-sterile pharmaceutical products	311
228.	Qualitative testing for Clostridium sporogenes for non-sterile pharmaceutical products	315
229.	Qualitative testing for Candida albicans for non-sterile pharmaceutical products	350