

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	284
2.	Organoleptic control	66
3.	Clarity and degree of opalescence of liquids	126
4.	Degree of coloration of liquids	988
5.	Identification reactions of ions and functional groups	411
6.	Identification by gas-chromatography	1051
7.	Identification by thin-layer chromatography	702
8.	Identification by Infrared Absorption spectrophotometry	597
9.	Identification by UV-VIS spectrophotometry (alcoholic solution)	770
10.	Identification by UV-VIS spectrophotometry (aqueous solution)	686
11.	Identification by UV-VIS spectrophotometry (organic solvents)	826
12.	Potentiometric titration (assay)	330
13.	Gravimetric methods	409
14.	Volumetric methods	325
15.	Density determination of liquids (density bottle/ pycnometer method)	222
16.	Density determination of liquids (density meter method)	160
17.	Determination of melting point (instrumental method)	273
18.	Determination of drop/freezing / boiling/ gelling point	273
19.	Viscosity (capillary viscometer method)	304
20.	Viscosity (rotating viscometer method)	316
21.	Size determination of suppositories, pessaries and tablets	80
22.	Disintegration of suppositories, tablets and capsules	155
23.	Determination of resistance of tablets	206
24.	Friability of tablets	218
25.	Uniformity of mass of single – dose preparations	200
26.	Test for extractable volume of parenteral preparations	292
27.	Microscopic control of plant powders	221
28.	Determination of acetyl value	468
29.	Determination of hydroxyl value	593
30.	Determination of acid value	302
31.	Determination of peroxide value	281
32.	Determination of saponification value	343
33.	Determination of ester value	379
34.	Determination of iodine value	288
35.	Determination of unsaponifiable value	489
36.	Determination of nitrogen in organic combinations	382
37.	Determination of artificial tension	325

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
38.	Determination of impregnating factor for plants	270
39.	Determination of optical rotation	335
40.	Determination of refractive index	263
41.	Limit tests	348
42.	Determination by UV-VIS spectrophotometry	1132
43.	Determination of residue on ignition or evaporation	278
44.	Polarographic method (assay)	584
45.	Separation by chromatographic columns	819
46.	Determination by thin – layer chromatography	730
47.	Determination of alcohol content from pharmaceuticals	295
48.	Determination of tannins from plant and pharmaceuticals	429
49.	Determination of volatile oils from plant and pharmaceuticals	286
50.	Destruction of samples to determine the limits of metals	275
51.	Sedimentation test	79
52.	Determination of bitterness value	271
53.	Microchemical control of plant products	267
54.	Spraying and drying plant products for dosing	47
55.	Degreasing of plant products for dosing	63
56.	Extraction of active principles from plants and pharmaceuticals for identification or dosing	451
57.	Purification of solutions for dosing by extraction	337
58.	Potentiometric determination of pH	136
59.	Loss on drying	232
60.	Particle size	237
61.	Determination of distillation range	365
62.	Determination of powder fineness	227
63.	Determination of suspension stability	215
64.	Sample passage determination of emulsion and suspension	219
65.	Determination of homogeneity for ointments and powders	127
66.	Determination of decay time for foams	71
67.	Determination of foaming power	419
68.	Determination of apparent density for powders	236
69.	Determination of the average molecular weight for dextran powder	330
70.	Total content of fatty oils	145
71.	Soluble substances from vegetable products	124
72.	Ash insoluble in hydrochloric acid	104
73.	Behavior of suppositories at melting or dissolution	102
74.	Stretch capacity of ointments	97
75.	Disintegration of effervescent products	192
76.	Concentrating the organic solvents by rotary evaporation	138

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
77.	Concentrating the aqueous solution by rotary evaporation	127
78.	Filtration by membrane filter with porosity from 0.30 - 0.50 µm for measurements with high technology equipment	47
79.	Determination by Infrared Absorption spectrophotometry	1179
80.	Determination by atomic absorption spectrometry	1168
81.	Determination by atomic emission spectrometry	1164
82.	Assay by HPLC	1685
83.	Assay by GC	1340
84.	Assay by GC (HEAD – SPEACE method)	1432
85.	Dissolution for solid dosage forms	380
86.	Determination of residual moisture by Karl-Fischer method	203
87.	Protein nitrogen dosage from biological products by Kjeldahl method	409
88.	Determination of emulsion type	66
89.	Content determination of sodium chloride	188
90.	Determination of formaldehyde from biological products by iodimetric method	345
91.	Determination of formaldehyde from biological products (Ph. Eur.)	94
92.	Content determination in aluminium oxide	264
93.	Determination of the emulsion viscosity	55
94.	Control of the emulsion stability (vaccines)	72
95.	Determination of the sample passage of the emulsion (vaccines)	42
96.	Determination of extractable volume (vaccines)	105
97.	Laboratory control of the diagnostic sets by ELISA method/plate	548
98.	Immunochromatographic test	224
99.	Sensitising effect control of tuberculins PPD	1983
100.	Toxicity control of malein	763
101.	Potency test control of tuberculins PPD on guinea-pigs	4812
102.	Potency test control of malein on guinea-pigs	10780
103.	Toxicity control of tuberculins PPD	266 (596)
104.	Control of reagents/diagnostic kits by haemagglutination inhibition test	265
105.	Control of reagents/diagnostic kits by haemagglutination test	178
106.	Control of reagents/diagnostic kits by The complement fixation test	452
107.	Control of diagnostic kits by Agar gel immunodiffusion test	452
108.	Determination of haemolytic serum titre	470
109.	Determination of complement titre of guinea-pig normal serum	243
110.	Control of reagents/diagnostic kits by slow agglutination reaction	254
111.	Control of reagents/diagnostic kits by fast agglutination reaction	150
112.	Control of reagents/diagnostic kits by direct immunofluorescence test on smears with cell culture	594

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
113.	Control of reagents/diagnostic kits by direct immunofluorescence test on smears with tissue prints	571
114.	Immunization value control by ELISA / plate (veterinary immunological products)	339
115.	Macroscopic control	35
116.	Sterility control veterinary medicinal products and diagnostic reagents - immunological products (Price / vial)	50
117.	Bacterial purity control - colony isolation technique	144
118.	Control of residual toxicity of vaccine / mice	240
119.	Control of bacterial strains by biochemical tests (price / environment)	80
120.	Inactivation control on specific bacterial culture media	125
121.	Control of inactivation of immunological products on cell cultures	962
122.	Control of inactivation of viral suspension / cell cultures - absence of hemadsorption	1035
123.	Control of inactivation of immunological products in mice / inactivated rabies vaccine	1015
124.	Control of inactivation of viral suspension on SPF eggs	2.587
125.	Residual toxicity control vaccine / mice - tetanus toxin inactivation	536
126.	Bacterial purity control by bacterioscopic examination - Gram stain	105
127.	Bacterial purity control by bacterioscopic examination - Giemsa coloration	87
128.	Bacterial purity control by bacterioscopic examination - staining with methylene blue	77
129.	Bacterial purity control by bacterioscopic examination - Casares Gill	98
130.	Bacterial purity control by bacterioscopic examination - coloration with malachite green	89
131.	Virological purity control on chicken SPF 1-30 days	2.402
132.	Virological purity control on embryonated eggs	3.391
133.	Control of virological purity of cell cultures	2.821
134.	IPIC strain control - avian pseudopesta	1.894
135.	Concentration control in live germs - bacterial vaccines (price / bottle)	141
136.	Concentration control in live germs - spore anti-carbon vaccine (price / bottle)	133
137.	Concentration control in live germs - antifungal vaccines (price / bottle)	127
138.	Concentration control in viruses on cell cultures from immunological veterinary products that is highlighted by cytopathic effect	1246
139.	Concentration control in viruses on cell cultures from immunological veterinary products that are evidenced by direct	1779

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
	immunofluorescence	
140.	Concentration control in virus / mice - live rabies vaccines	1702
141.	UFF / ml virus concentration control - Marek's disease	1.148
142.	DIE 50 virus concentration control on SPF embryo eggs / determination	851
143.	DIE 50 virus concentration control on conventional embryo eggs / determination	346
144.	Control of virus concentration on cell cultures	1.089
145.	Determination of LD 50 / chicken	2.217
146.	Determination of DL 50 / embryo eggs	1.815
147.	Determination of DL50 - Reed and Muench on mice	1.350
148.	DLM determination - guinea pigs	2.498
149.	Viremia / chicken control - Marek's disease	2.480
150.	Determination of Lt / 10 - mouse clostridial toxins	1.002
151.	Determination of DP50- mice	1.154
152.	Control of biological value-tetanic antitoxin seroneutralization	822
153.	Pathogenicity control - edematogen character B. anthracis strain	1.512
154.	Antigenic identification - Salmonella	72
155.	Antigenic identification - Leptospira spp. (Price / strain)	40
156.	Specificity control DI 50 / chicken - avian diphtherovariola	3.195
157.	Antigenic identification on cell cultures (cytopathic effect)	1087
158.	Antigenic identification - on cell cultures and hemadsorption	1314
159.	Antigenic identification - direct immunofluorescence fingerprint smear	894
160.	Antigenic identification - seroneutralization on cell cultures	1176
161.	Antigenic identification - cell culture seroneutralization - FAVN	1392
162.	Pathogenicity control - B. anthracis vaccine strain	3.189
163.	Pathogenicity control - apatogenicity / pig vaccine strain E. rhusiopathiae	533
164.	Pathogenicity control - apatogenicity / rabbit vaccine strain E. rhusiopathiae	2.244
165.	Pathogenicity control - apatogenicity / pigeon strain E. rhusiopathiae	775
166.	Safety control - sheep, goats, cattle, horses, pigs, raccoon, goose (no livestock)	313
167.	Specific safety control / aviation youth	1.775
168.	Specific safety control on SPF chickens (1-30 days)	2.054
169.	Specific safety control on a chicken (1-30 days)	133
170.	Specific safety control on a dog	907
171.	Specific safety control on a cat	632
172.	Safety control - 1 rabbit	429
173.	Safety control - 1 guinea pig	215
174.	Safety control - 1 mouse	85

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
175.	Pathogenicity control - titration of B. anthracis pathogenic strain - control / rabbit infection	12.599
176.	Pathogenicity control - titration of the B. anthracis pathogen-control infection / guinea pig	5.261
177.	Immunizing value control by infection control - sheep, ant-carbon vaccine (no animals)	397
178.	Immunizing value control, haemagglutination inhibition reaction - rabbit haemorrhagic vaccine	5001
179.	Immunizing value control, haemagglutination inhibition reaction - canine parvovirus vaccine	1634
180.	Protective value control through S.N. and I.H.A. mixed antiviral and antipasteurelic bovine serum	1723
181.	Immunization value control by control infection - pigs (no livestock)	405
182.	Control of the immunizing value by control infection on galinacea - antibacterial vaccine	3.412
183.	Control of the immunizing value / seroneutralization on the embryo eggs	4.777
184.	Control of the immunizing value by control infection - guinea pigs, anti- carbon vaccine	2.754
185.	Control of immunizing value by control infection - mice antibacterial / serovar vaccines	1.262
186.	Control of the immunizing value by control infection - hamsters, antileptospiric / serovar vaccine	796
187.	Specific safety control on birds (no livestock)	854
188.	Protective effect control / birds (without livestock)	854
189.	DIE 50 virus concentration control without embryo eggs / determination	324
190.	Immunization value control - IHA / chickens	2.925
191.	Control of the immunizing value by infection control and IHA / chickens	3.791
192.	Control of immunizing value by control infection / avian diphthero-variole	4.629
193.	Control of the immunizing value of anti-tetanus vaccines by seroneutralization / mice	2.306
194.	Determination of clostridial antitoxin titers / type	2.286
195.	Immunization value control - RMAL - antileptospiric vaccine	4.305
196.	Control of the immunizing value by the slow sero-agglutination-RSAL reaction	169
197.	Immunizing value control by rapid seroagglutination-RSAR reaction	137
198.	Inactivation control on specific bacterial culture media - antifungal vaccines	136
199.	Antigenic identification - antifungal vaccines	135
200.	Residual pathogenicity control for rabies vaccine in the form of	1571

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
	bait	
201.	Immunizing value control in guinea pigs - antiviral vaccines (vaccination, blood sampling)	5413
202.	Mouse potency test of inactivated rabies vaccines	7047
203.	Concentration control in viruses on cell cultures from immunological veterinary products evidenced by indirect immunofluorescence	1858
204.	Hemagglutination Inhibition Reaction for Determining Immunizing Value of Antiviral Vaccines	854
205.	Control of the immunizing value by the seroneutralization reaction on cell cultures	1664
206.	Control of virus concentration on cell cultures from immunological veterinary products evidenced by hemadsorption reaction	1404
207.	Evaluation of production and control protocols for immunological veterinary medicinal products for the official release of the series	1190
208.	Control of the immunizing value by control infection on galinacea - antibacterial vaccines(no livestock)	2.615
209.	Control of immunizing value by control infection in guinea pigs - vaccine against Clostridium chauvei	3.255
210.	Antigenic identification for Eimeria spp. (On the strain and without livestock) - parasitic vaccines	89
211.	Immunization value control in rabbits / antiviral vaccines (vaccination, blood collection)	5613
212.	Official release of the series for immunological veterinary medicinal products through mutual recognition of European OCABR / OBPR certificates	306
213.	Control of virus concentration on cell cultures from immunological veterinary products evidenced by hemagglutination	1526
214.	Identification of viruses on cell cultures by immunofluorescence (IF) - antiviral vaccines	1620
215.	Solubility control - antiviral vaccines	199
216.	Control of the immunizing value in 1 chicken - antiviral vaccines	158
217.	Virus identification on SPF embryo eggs - antiviral vaccines	813
218.	ELISA test	652
219.	Test for pyrogenic impurities	1.085
220.	Test for toxic impurities	899
221.	Quantitative determination of active substances by diffusion method in liposoluble pharmaceutical products***	935
222.	Quantitative determination of active substances by diffusion method in non-liposoluble pharmaceutical products***	844
223.	Qualitative microbiological determinations of bacterial and fungal strains from probiotics	486
224.	Quantitative microbiological determinations of bacterial and fungal strains from probiotics	953
225.	Examination of bactericidal activity (phase 2, step 1) for	1.071

Nr.	Name of the analysis/examination/operation/product	Rate - RON -
	disinfectant products	
226.	Examination of fungicidal activity (phase 2, step 1) for disinfectant products**	834
227.	Examination of sporicidal activity for disinfectant products	673
228.	Testing of bactericidal and fungicidal effect on test objects (phase 2, stage 2) for disinfectant products****	3.096
229.	Control of the antimicrobial preservatives effectiveness	2.125
230.	Test for contents in endotoxins (LAL test) by gel – clot technique	1.293
231.	Sterility test of VMP (oily solutions, ointments and creams) - membrane filtration methods in close system Steritest	2.464
232.	Sterility test of VMP (aqueous solutions or soluble pulvis) - membrane filtration methods in close system Steritest	2.096
233.	Sterility test of VMP (aqueous solutions, soluble pulvis, oily solutions, ointments and creams) - direct inseminations method	1.386
234.	Determination of total aerobic microbial count from VMP – direct inseminations method	1.080
235.	Determination of total aerobic microbial count from VMP – membrane filtration methods	1.490
236.	Determination of total combined yeasts/moulds count from VMP non-sterile – direct inseminations method	909
237.	Determination of total combined yeasts/moulds count from VMP non-sterile – membrane filtration methods	1.250
238.	Determination of specific pathogens from VMP non-sterile by direct inseminations method – bile – tolerant gram – negative bacteria detection and determination	824
239.	Determination of specific pathogens from VMP non-sterile by direct inseminations method – Escherichia coli detection	807
240.	Determination of specific pathogens from VMP non-sterile by direct inseminations method – Staphylococcus aureus detection	634
241.	Determination of specific pathogens from VMP non-sterile by direct inseminations method – Salmonella spp. detection	728
242.	Determination of specific pathogens from VMP non-sterile by direct inseminations method – Pseudomonas aeruginosa detection	682
243.	Determination of specific pathogens from VMP non-sterile by direct inseminations method – Clostridium sporogenes detection	809
244.	Determination of specific pathogens from VMP non-sterile by direct inseminations method – Candida albicans detection	704
245.	Identification of specific microorganisms using API sets	2.854