

## RATES

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

<b>Nr.</b>	<b>Name of the analysis/examination/operation/product</b>	<b>Rate - RON -</b>
1.	Solubility	284
2.	Appearance	66
3.	Clarity and degree of opalescence of liquids	126
4.	Degree of coloration of liquids	988
5.	Identification by chemical reactions	411
6.	Identification/purity by gas chromatography	1051
7.	Identification / purity by thin layer chromatography	702
8.	Identification by IR spectrophotometry	597
9.	Identification by UV-VIS spectrophotometry - in alcoholic solution	770
10.	Identification by UV-VIS spectrophotometry - in aqueous solution	686
11.	Identification by UV-VIS spectrophotometry - in organic solvents	826
12.	Potentiometric titration	330
13.	Gravimetric dosing	409
14.	Volumetric titration (visual end point/indicator)	325
15.	Determination of relative density with pycnometer	222
16.	Determination of relative density or density with density meter	160
17.	Determination of melting point – instrumental method	273
18.	Determination of drop point/ gelling point and boiling point	273
19.	Determination of viscosity with capillary viscometer	304
20.	Determination of viscosity with the rotating viscometer	316
21.	Determination of the size of pessaries and tablets	80
22.	Determination the disintegration time of tablets (coated/ uncoated), pessaries, pills, capsules	155
23.	Determination of resistance to crushing of tablets (coated/ uncoated)	206
24.	Determination of the friability of the tablets	218
25.	Determination of uniformity of mass of tablets (coated/ uncoated), pessaries, pills, capsules	200
26.	Determination of uniformity of content of single-dose preparations	292
27.	Microscopic control of plant powders	221
28.	Determination of acetyl index	468
29.	Determination of the hydroxyl index	593
30.	Determination of acidity index	302
31.	Determination of the peroxide index	281
32.	Determination of saponification index	343
33.	Determination of the ester index	379
34.	Determination of iodine index	288
35.	Determination of unsaponifiable substances	489
36.	Determination of nitrogen from organic combinations	382

<b>Nr.</b>	<b>Name of the analysis/examination/operation/product</b>	<b>Rate - RON -</b>
37.	Determination of surface tension	325
38.	Determination of the soaking factor of herbal products	270
39.	Determination of specific rotational power	335
40.	Determination of refractive index	263
41.	Determination of the limit of impurities: impurities and foreign bodies in vegetable products, heavy metals, ammonium, As, Ca, Zn, Fe, chlorides, sulphates, carbonates, phosphates, nitrates, organic impurities and others	348
42.	Determination by UV-VIS spectrophotometry*	1132
43.	Determination of the residue by calcination or evaporation	278
44.	Determination by polarography	584
45.	Column chromatographic separations	819
46.	Determination by thin layer chromatography	730
47.	Determination of the alcohol concentration of pharmaceutical preparations	295
48.	Determination of tannins in herbal products and pharmaceutical preparations	429
49.	Determination of volatile oils in herbal products and pharmaceutical preparations	286
50.	Destruction (processing) of the sample in order to determine the metal limits	275
51.	Sedimentation test	79
52.	Determination of the bitterness index	271
53.	Microchemical control of herbal products	267
54.	Drying and spraying of herbal products for dosing	47
55.	Degreasing of herbal products for dosing	63
56.	Extraction of active ingredients from herbal products and pharmaceutical preparations for identification or dosing	451
57.	Purification of extractive solutions for dosing	337
58.	Potentiometric determination of pH	136
59.	Loss on drying	232
60.	Particle-size distribution estimation	237
61.	Determination of distillation range	365
62.	Determination of the fineness of the powders	227
63.	Determination of suspension stability	215
64.	Determination of the passage test (suspensions, emulsions)	219
65.	Determination of homogeneity for ointments and powders	127
66.	Determining the foam drop time	71
67.	Determination of foaming capacity	419
68.	Determination of bulk density for powders	236
69.	Determination of the average molecular weight of dextran powder	330
70.	Determination of total fatty substances	145
71.	Determination of soluble substances in plant products	124
72.	Residue insoluble in hydrochloric acid	104
73.	The melting or dissolving behavior of suppositories	102
74.	Ointment stretching behavior	97

<b>Nr.</b>	<b>Name of the analysis/examination/operation/product</b>	<b>Rate - RON -</b>
75.	Disintegration of effervescent products	192
76.	Concentration of extractive solutions with organic solvents by rotary steam distillation	138
77.	Concentration of aqueous extractive solutions by steam distillation	127
78.	Filtration through membrane filters with porosity 0.30-0.50 µm for determinations with high performance equipment	47
79.	Determination by IR spectrophotometry *	1179
80.	Determination by atomic absorption spectroscopy	1168
81.	Determination by flamphotometry	1164
82.	Liquid chromatography (HPLC), Assay*	1685
83.	Gas chromatography, Assay (GC)*	1340
84.	Gas chromatography, Assay (GC with HEAD-SPEACE) *	1432
85.	Dissolution test 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 emulsion passage test (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	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

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<b>113.</b>	Control of reagents/diagnostic kits by direct immunofluorescence test on smears with tissue prints	<b>571</b>
<b>114.</b>	Control of immunizing value by ELISA / plate (veterinary immunological products)	<b>339</b>
<b>115.</b>	Macroscopic control	<b>35</b>
<b>116.</b>	Sterility control of veterinary medicinal products and diagnostic reagents-immunological products (price/bottle)	<b>50</b>
<b>117.</b>	Bacterial purity control - colony isolation technique	<b>144</b>
<b>118.</b>	Residual toxicity control vaccine / mice	<b>240</b>
<b>119.</b>	Control of bacterial strains by biochemical tests (price / medium test tube)	<b>80</b>
<b>120.</b>	Inactivation control on specific bacterial culture media	<b>125</b>
<b>121.</b>	Inactivation of immunological products on cell cultures	<b>962</b>
<b>122.</b>	Control of the viral inactivation on cell culture – hemadsorption negative	<b>1035</b>
<b>123.</b>	Control of the viral inactivation on mice/ Inactivated rabies vaccine	<b>1015</b>
<b>124.</b>	Control of inactivation of viral suspension on SPF eggs	<b>2.587</b>
<b>125.</b>	Residual toxicity control of vaccine / mouse - tetanus toxin inactivation	<b>536</b>
<b>126.</b>	Bacterial purity control by bacterioscopic examination - GRAM staining	<b>105</b>
<b>127.</b>	Bacterial purity control by bacterioscopic examination - GIEMSA staining	<b>87</b>
<b>128.</b>	Bacterial purity control by bacterioscopic examination - staining with methylene blue	<b>77</b>
<b>129.</b>	Bacterial purity control by bacterioscopic examination - Casares Gill	<b>98</b>
<b>130.</b>	Bacterial purity control by bacterioscopic examination - malachite green staining	<b>89</b>
<b>131.</b>	Control of viral purity on SPF chickens (1-30 days)	<b>2.402</b>
<b>132.</b>	Control of viral purity on embrionated eggs	<b>3.391</b>
<b>133.</b>	Control of viral purity on cell culture	<b>2.821</b>
<b>134.</b>	IPIC strain – Newcastle Disease	<b>1.894</b>
<b>135.</b>	Concentration control in live germs - bacterial vaccines (price / bottle)	<b>141</b>
<b>136.</b>	Live Germ Concentration Control - Vaccine against anthrax spores (Price / Bottle)	<b>133</b>
<b>137.</b>	Concentration control in live germs - antifungal vaccines (price / bottle)	<b>127</b>
<b>138.</b>	Virus titre on cell cultures from immunological veterinary products with cytopathic effect	<b>1246</b>
<b>139.</b>	Virus titre on cell cultures from immunological veterinary products with direct immunofluorescence	<b>1779</b>
<b>140.</b>	Control concentration of live virus on mice – antirabies live vaccines	<b>1702</b>
<b>141.</b>	Control concentration of live virus UFF/ml – Marek Disease	<b>1.148</b>
<b>142.</b>	Control concentration of live virus EID 50 on SPF embrionated eggs on determination	<b>851</b>
<b>143.</b>	Control concentration of live virus EID 50 on susceptible embrionated eggs on determination	<b>346</b>
<b>144.</b>	Control concentration of live virus on cell culture	<b>1.089</b>
<b>145.</b>	Control LD50 on chicken	<b>2.217</b>
<b>146.</b>	Control LD50 on embrionated eggs	<b>1.815</b>

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<b>147.</b>	Determination of LD50 - Reed and Muench on mice	1.350
<b>148.</b>	Determination of DLM / guinea pigs	2.498
<b>149.</b>	Viraemia control on chickens – Marek’s disease	2.480
<b>150.</b>	Determination LT / 10 mice - clostridial toxins	1.002
<b>151.</b>	Determination of DP50 / mice	1.154
<b>152.</b>	Biological value control - tetanus antitoxin seroneutralization	822
<b>153.</b>	Pathogenicity control - edematous character - Bacillus anthracis strain	1.512
<b>154.</b>	Antigenic identification - Salmonella	72
<b>155.</b>	Antigenic identification - Leptospira spp (price / strain)	40
<b>156.</b>	Specificity control DI 50 on chicken – fowl pox	3.195
<b>157.</b>	Identification on cell cultures (cytopathic effect)	1087
<b>158.</b>	Identification - on cell cultures and hemadsorption	1314
<b>159.</b>	Identification - direct immunofluorescence fingerprint on the smear	894
<b>160.</b>	Identification - seroneutralization on cell cultures	1176
<b>161.</b>	Identification - seroneutralization on cell culture - FAVN	1392
<b>162.</b>	Pathogenicity control - Bacillus anthracis vaccine strain	3.189
<b>163.</b>	Pathogenicity - apathogenicity / pig control - E. rhusiopathiae vaccine strain	533
<b>164.</b>	Pathogenicity control - apathogenicity / rabbits - E. rhusiopathiae vaccine strain	2.244
<b>165.</b>	Pathogenicity control - apathogenicity / pigeons - E. rhusiopathiae vaccine strain	775
<b>166.</b>	Safety control - sheep, goats, cattle, horses, pigs, ducklings, geese (no herds)	313
<b>167.</b>	Safety control on younger birds	1.775
<b>168.</b>	Safety control on SPF chickens (1-30 days)	2.054
<b>169.</b>	Safety control on chicken (1-30 days)	133
<b>170.</b>	Safety on a dog	907
<b>171.</b>	Safety on a cat	632
<b>172.</b>	Safety control - 1 rabbit	429
<b>173.</b>	Safety control - 1 guinea pig	215
<b>174.</b>	Safety control - 1 mouse	85
<b>175.</b>	Pathogenicity control - Bacillus anthracis pathogen strain titration - control infection / rabbits	12.599
<b>176.</b>	Pathogenicity control - Bacillus anthracis pathogen strain titration - control / guinea pig infection	5.261
<b>177.</b>	Control of immunizing value by infection control - sheep, anthrax vaccine (no animal herd)	397
<b>178.</b>	Immunogenicity control, haemagglutination inhibition reaction - rabbit haemorrhagic disease vaccine	5001
<b>179.</b>	Immunogenicity control, haemagglutination inhibition reaction - canine parvovirus vaccine	1634
<b>180.</b>	Control of protective value by SN and IHA mixed bovine serum of antiviral and antipasteurelic	1723
<b>181.</b>	Control of immunizing value by infection control – pigs (no animal herd)	405
<b>182.</b>	Control immunizing value by infection control - chickenpox antibacterial vaccines	3.412

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<b>183.</b>	Imunogenicity/virus neutralization on embrionated eggs	4.777
<b>184.</b>	Control of immunizing value by infection control - guinea pigs, anthrax vaccine	2.754
<b>185.</b>	Control immunizing value by infection control - mice antibacterial vaccines / serovar	1.262
<b>186.</b>	Control of immunizing value by infection control - hamsters, antileptospiral vaccine / serovar	796
<b>187.</b>	Safety control on chicken (without animals)	854
<b>188.</b>	Potency control on chickens (without animals)	854
<b>189.</b>	Control concentration of live virus EID 50/ determination (without embrionated eggs)	324
<b>190.</b>	Imunogenicity control – HI/ chicken	2.925
<b>191.</b>	Imunogenicity control by potency and HI/ chicken	3.791
<b>192.</b>	Imunogenicity control by challenge for fowl pox	4.629
<b>193.</b>	Control of immunizing value of antitetanic vaccines by seroneutralization / mice	2.306
<b>194.</b>	Determination of clostridial antitoxin titer / type	2.286
<b>195.</b>	Immunization value control - RMAL - antileptospiric vaccine	4.305
<b>196.</b>	Immunization value control by slow seroagglutination reaction - RSAL	169
<b>197.</b>	Immunization value control by rapid seroagglutination reaction - RSAR	137
<b>198.</b>	Inactivation control on specific bacterial culture media - antifungal vaccines	136
<b>199.</b>	Antigenic identification - antifungal vaccines	135
<b>200.</b>	Control of residual virulence from rabies vaccines baites	1571
<b>201.</b>	Imunogenicity control on guinea pig/antiviral vaccine (vaccination, blood sample)	5413
<b>202.</b>	Potency test on mice of inactivated rabies vaccines	7047
<b>203.</b>	Control of virus concentration from vaccines/virus suspensions on cell culture with indirect immunofluorescence test	1858
<b>204.</b>	Inhibition of hemagglutination test for immunogenicity of viral vaccines	854
<b>205.</b>	Imunogenicity control by the seroneutralization reaction on cell cultures	1664
<b>206.</b>	Control of virus concentration from vaccines/virus suspensions on cell culture with hemadsorbition test	1404
<b>207.</b>	Evaluation of production and control protocols for immunological veterinary medicinal products for the batch official release (O.B.P.R.)	1190
<b>208.</b>	Control of immunizing value by control infection on poultry - antibacterial vaccines (without poultry herd)	2.615
<b>209.</b>	Control of immunizing value by control infection in guinea pigs - vaccine against Clostridium chauvei	3.255
<b>210.</b>	Antigenic identification for Eimeria spp. (Per strain and without herd) - parasitic vaccines	89
<b>211.</b>	Imunogenicity control on rabbit/antiviral vaccine (vaccination, blood sample)	5613
<b>212.</b>	Official release of the batch for immunological veterinary medicinal products by mutual recognition of European certificates OCABR / OBPR	306
<b>213.</b>	Control of virus concentration on cell cultures from immunological veterinary products which is evidenced by haemagglutination	1526



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214.	Identification of virus on cell cultures by immunofluorescence (IF) - antiviral vaccines	1620
215.	Solubility control - antiviral vaccines	199
216.	Imunogenicity control on 1 chicken - antiviral vaccines	158
217.	Identification of virus on embryonated eggs SPF - antiviral vaccines	813
218.	ELISA	652
219.	Test for pyrogenic impurities	1.085
220.	Test for toxic impurities	899
221.	Quantitative determination of active substances by diffusion method in fat-soluble pharmaceuticals ***	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.	Determination of bactericidal activity (phase 2, stage 1) for disinfectants	1.071
226.	Determination of fungicidal activity (phase 2, step 1) for disinfectant products**	834
227.	Determination of sporicidal activity for disinfectant products	673
228.	Verification of the bactericidal and fungicidal effect on test objects (phase 2, stage 2) for disinfectants ****	3.096
229.	Control of the antimicrobial preservatives effectiveness	2.125
230.	Endotoxin content control (L.A.L. 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 the total number of germs from non-sterile PMV germs - direct insemination method	1.080
235.	Determination of the total number of germs from non-sterile VMP - membrane filtration methods	1.490
236.	Determination of total number of fungi from non-sterile VMP– direct inseminations method	909
237.	Determination of total number of fungi from non-sterile VMP – membrane filtration methods	1.250
238.	Determination of specific pathogens from non-sterile VMP by direct inseminations method – bile – tolerant gram – negative bacteria detection and determination.	824
239.	Determination of specific pathogens from non-sterile VMP– <i>Escherichia coli</i> detection.	807
240.	Determination of specific pathogens from non-sterile VMP by direct inseminations method – <i>Staphylococcus aureus</i> detection	634

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241.	Determination of specific pathogens from non-sterile VMP by direct inseminations method – <i>Salmonella</i> spp. detection	728
242.	Determination of specific pathogens from non-sterile VMP by direct inseminations method – <i>Pseudomonas aeruginosa</i> detection	682
243.	Determination of specific pathogens from non-sterile VMP– <i>Clostridium sporogenes</i> detection	809
244.	Determination of specific pathogens from non-sterile VMP by direct inseminations method – <i>Candida albicans</i> detection	704
245.	Identification of specific microorganisms using API sets	2.854