

Eradication: Final report for Rabies 2018

For each approved annual or multi-annual programme Member States shall submit to the Commission by the 30 April each year an annual detailed technical and financial report covering the previous year. That report shall include the results achieved and a detailed account of eligible costs incurred (Art 14 of Regulation (EU) No 652/2014).

This form is for information only, no submission possible.

ID: 20190422-SC89A2A9

Country code: BG

Reporting period

From: 2018

To: 2018

Year of implementation: 2018

1. Technical implementation of the programme

1.1 Description and evaluation of the evolution of the epidemiological situation, the technical implementation of the activities foreseen under the programme and the cost-effectiveness of the programme.

The programme implemented in the territory of the country in 2018 included the following activities:
-Oral vaccination of foxes - through aerial and manual distribution of vaccine baits (on the territory of 23 regions);

-Monitoring of the effectiveness of the vaccination activities and control of the vaccine;

-Passive and active surveillance for the disease.

As a result of these activities no rabies cases were registered on the territory of the country in 2018. The last rabies case was registered in fox in June 2014.

Detailed description of the activities is provided in the boxes below.

1.2 Details on the level of achievement of the targets set in the approved programme and technical difficulties.

In 2018 in total 2376 samples were tested for rabies in all 28 administrative regions, under monitoring of the vaccination, active and passive surveillance, all with negative results of the FAT test.

In the regions where oral vaccination is performed 790 ELISA (of which 485 in foxes and 305 in jackals) and 1968 TMT tests (of which 903 in foxes and 1065 in jackals) were carried out for monitoring of the vaccination both in foxes and jackals. 198 ELISA test were positive for Ab, resulting in 40,82% seroconversion in foxes, while the uptake in this species was 56,14% (with 507 positive tests for TMT). In

jackals the seroconversion was close to 10% (with 30 animals positive for Abs) and the uptake was 40,8% (466 TMT positives).

Compared to the results in 2017 a decrease in the seroconversion in foxes was observed (from 57,08% in 2017 to 40,82% in 2018) which could be explained with the inclusion of new territories in the vaccination programme. The same trend is registered in relation to the bait uptake which in foxes in 65,17% in 2017 and 56,14% in 2018. Increase in the seroconversion rate was detected in jackals in 2018, while the uptake is showing negative trend (55,4% in 2017 to 43,73% in 2018).

Under the passive surveillance 133 samples were tested from both wild and domestic animals in 2018. Species and numbers are described in the tables below.

1.3 Epidemiological maps for infection and other relevant data on the disease/activities (information on serotypes involved,...) (Please attach files of data using the PDF attachment feature) Use the textbox below to provide clarifications for the maps you attach, if needed.

Maps are available in the link below:

https://drive.google.com/open?id=1MicyEYuSSh9luQt-u0DuLuFUfOmGG_OI

ANNEX VI TECHNICAL REPORT ON RABIES PROGRAMMES

VERY IMPORTANT: Please fill out the following tables with figures corresponding to measures performed during the implementing period (1/1 to 31/12).

Table A1 - TEST FOR THE MONITORING OF VACCINATION EFFECTIVENESS

Region	Species and age	Type of test	Test description	Number of tests	Number positive	% positive
Blagoevgrad	Foxes juvenile	Serological	VNT/FAVN/ELISA	15	2	13.33 %
Blagoevgrad	Jackals juvenile	Serological	VNT/FAVN/ELISA	2	1	50 %
Burgas	Jackals juvenile	Serological	VNT/FAVN/ELISA	2	0	0 %
Veliko Tarnovo	Foxes juvenile	Serological	VNT/FAVN/ELISA	3	0	0 %
Veliko Tarnovo	Jackals juvenile	Serological	VNT/FAVN/ELISA	3	0	0 %
Vidin	Foxes juvenile	Serological	VNT/FAVN/ELISA	3	0	0 %
Vidin	Jackals juvenile	Serological	VNT/FAVN/ELISA	32	6	18.75 %
Vratza	Foxes juvenile	Serological	VNT/FAVN/ELISA	37	13	35.14 %
Vratza	Jackals juvenile	Serological	VNT/FAVN/ELISA	46	3	6.52 %
Dobrich	Foxes juvenile	Serological	VNT/FAVN/ELISA	2	1	50 %
Kyustendil	Foxes juvenile	Serological	VNT/FAVN/ELISA	12	2	16.67 %
Montana	Foxes juvenile	Serological	VNT/FAVN/ELISA	13	10	76.92 %
Pazardzhik	Foxes juvenile	Serological	VNT/FAVN/ELISA	14	5	35.71 %
Pazardzhik	Jackals juvenile	Serological	VNT/FAVN/ELISA	9	0	0 %
Pernik	Foxes juvenile	Serological	VNT/FAVN/ELISA	8	6	75 %
Pernik	Jackals juvenile	Serological	VNT/FAVN/ELISA	7	1	14.29 %
Razgrad	Foxes juvenile	Serological	VNT/FAVN/ELISA	18	6	33.33 %
Razgrad	Jackals juvenile	Serological	VNT/FAVN/ELISA	11	2	18.18 %
Silistra	Foxes juvenile	Serological	VNT/FAVN/ELISA	39	8	20.51 %
Silistra	Jackals juvenile	Serological	VNT/FAVN/ELISA	42	3	7.14 %
Smolyan	Foxes juvenile	Serological	VNT/FAVN/ELISA	15	8	53.33 %
Sofia-city	Foxes juvenile	Serological	VNT/FAVN/ELISA	6	0	0 %
Sofia-city	Jackals juvenile	Serological	VNT/FAVN/ELISA	1	0	0 %
Sofia-district	Foxes juvenile	Serological	VNT/FAVN/ELISA	28	5	17.86 %
Sofia-district	Jackals juvenile	Serological	VNT/FAVN/ELISA	1	0	0 %
Blagoevgrad	Foxes adult	Serological	VNT/FAVN/ELISA	12	7	58.33 %
Burgas	Jackals adult	Serological	VNT/FAVN/ELISA	1	0	0 %
Veliko Tarnovo	Foxes adult	Serological	VNT/FAVN/ELISA	5	1	20 %
Veliko Tarnovo	Jackals adult	Serological	VNT/FAVN/ELISA	9	0	0 %
Vidin	Foxes adult	Serological	VNT/FAVN/ELISA	3	1	33.33 %
Vidin	Jackals adult	Serological	VNT/FAVN/ELISA	19	4	21.05 %

Vratza	Foxes adult	Serological	VNT/FAVN/ELISA	31	11	35.48 %
Vratza	Jackals adult	Serological	VNT/FAVN/ELISA	34	5	14.71 %
Dobrich	Foxes adult	Serological	VNT/FAVN/ELISA	5	5	100 %
Dobrich	Jackals adult	Serological	VNT/FAVN/ELISA	1	0	0 %
Kyustendil	Foxes adult	Serological	VNT/FAVN/ELISA	7	5	71.43 %
Montana	Foxes adult	Serological	VNT/FAVN/ELISA	46	28	60.87 %
Pazardzhik	Foxes adult	Serological	VNT/FAVN/ELISA	17	16	94.12 %
Pazardzhik	Jackals adult	Serological	VNT/FAVN/ELISA	20	1	5 %
Pernik	Foxes adult	Serological	VNT/FAVN/ELISA	14	12	85.71 %
Pernik	Jackals adult	Serological	VNT/FAVN/ELISA	2	1	50 %
Razgrad	Foxes adult	Serological	VNT/FAVN/ELISA	15	7	46.67 %
Razgrad	Jackals adult	Serological	VNT/FAVN/ELISA	8	2	25 %
Silistra	Foxes adult	Serological	VNT/FAVN/ELISA	68	25	36.76 %
Silistra	Jackals adult	Serological	VNT/FAVN/ELISA	53	1	1.89 %
Smolyan	Foxes adult	Serological	VNT/FAVN/ELISA	16	3	18.75 %
Sofia-city	Jackals adult	Serological	VNT/FAVN/ELISA	1	0	0 %
Sofia-district	Foxes adult	Serological	VNT/FAVN/ELISA	33	11	33.33 %
Sofia-district	Jackals adult	Serological	VNT/FAVN/ELISA	1	0	0 %
Blagoevgrad	Foxes juvenile	Biomarker	Tetracycline in bones	25	12	48 %
Blagoevgrad	Jackals juvenile	Biomarker	Tetracycline in bones	2	1	50 %
Burgas	Foxes juvenile	Biomarker	Tetracycline in bones	12	1	8.33 %
Burgas	Jackals juvenile	Biomarker	Tetracycline in bones	42	3	7.14 %
Veliko Tarnovo	Foxes juvenile	Biomarker	Tetracycline in bones	3	0	0 %
Veliko Tarnovo	Jackals juvenile	Biomarker	Tetracycline in bones	4	1	25 %
Vidin	Foxes juvenile	Biomarker	Tetracycline in bones	3	1	33.33 %
Vidin	Jackals juvenile	Biomarker	Tetracycline in bones	32	19	59.38 %
Vratza	Foxes juvenile	Biomarker	Tetracycline in bones	52	27	51.92 %
Vratza	Jackals juvenile	Biomarker	Tetracycline in bones	73	44	60.27 %
Dobrich	Foxes juvenile	Biomarker	Tetracycline in bones	19	11	57.89 %
Dobrich	Jackals juvenile	Biomarker	Tetracycline in bones	15	7	46.67 %
Kardzhali	Foxes juvenile	Biomarker	Tetracycline in bones	33	9	27.27 %
Kardzhali	Jackals juvenile	Biomarker	Tetracycline in bones	6	0	0 %
Kyustendil	Foxes juvenile	Biomarker	Tetracycline in bones	15	7	46.67 %
Kyustendil	Jackals juvenile	Biomarker	Tetracycline in bones	6	3	50 %
Montana	Foxes juvenile	Biomarker	Tetracycline in bones	13	11	84.62 %
Pazardzhik	Foxes juvenile	Biomarker	Tetracycline in bones	16	7	43.75 %
Pazardzhik	Jackals juvenile	Biomarker	Tetracycline in bones	11	6	54.55 %
Pernik	Foxes juvenile	Biomarker	Tetracycline in bones	9	4	44.44 %
Pernik	Jackals juvenile	Biomarker	Tetracycline in bones	7	4	57.14 %
Pleven	Foxes juvenile	Biomarker	Tetracycline in bones	14	5	35.71 %
Pleven	Jackals juvenile	Biomarker	Tetracycline in bones	51	17	33.33 %
Plovdiv	Foxes juvenile	Biomarker	Tetracycline in bones	13	1	7.69 %
Plovdiv	Jackals juvenile	Biomarker	Tetracycline in bones	28	2	7.14 %
Razgrad	Foxes juvenile	Biomarker	Tetracycline in bones	67	33	49.25 %
Razgrad	Jackals juvenile	Biomarker	Tetracycline in bones	73	30	41.1 %
Ruse	Foxes juvenile	Biomarker	Tetracycline in bones	2	1	50 %
Ruse	Jackals juvenile	Biomarker	Tetracycline in bones	5	2	40 %
Silistra	Foxes juvenile	Biomarker	Tetracycline in bones	39	22	56.41 %
Silistra	Jackals juvenile	Biomarker	Tetracycline in bones	44	26	59.09 %
Smolyan	Foxes juvenile	Biomarker	Tetracycline in bones	15	4	26.67 %

Sofia-city	Foxes juvenile	Biomarker	Tetracycline in bones	9	2	22.22 %
Sofia-city	Jackals juvenile	Biomarker	Tetracycline in bones	3	1	33.33 %
Sofia-district	Foxes juvenile	Biomarker	Tetracycline in bones	36	21	58.33 %
Sofia-district	Jackals juvenile	Biomarker	Tetracycline in bones	15	10	66.67 %
Stara Zagora	Foxes juvenile	Biomarker	Tetracycline in bones	8	0	0 %
Stara Zagora	Jackals juvenile	Biomarker	Tetracycline in bones	42	0	0 %
Haskovo	Foxes juvenile	Biomarker	Tetracycline in bones	15	0	0 %
Haskovo	Jackals	Biomarker	Tetracycline in bones	92	12	13.04 %
Shumen	Foxes juvenile	Biomarker	Tetracycline in bones	3	0	0 %
Shumen	Jackals juvenile	Biomarker	Tetracycline in bones	5	0	0 %
Yambol	Foxes juvenile	Biomarker	Tetracycline in bones	6	0	0 %
Yambol	Jackals juvenile	Biomarker	Tetracycline in bones	12	0	0 %
Blagoevgrad	Foxes adult	Biomarker	Tetracycline in bones	29	29	100 %
Blagoevgrad	Jackals adult	Biomarker	Tetracycline in bones	2	2	100 %
Burgas	Foxes adult	Biomarker	Tetracycline in bones	12	2	16.67 %
Burgas	Jackals adult	Biomarker	Tetracycline in bones	36	3	8.33 %
Veliko Tarnovo	Foxes adult	Biomarker	Tetracycline in bones	6	6	100 %
Veliko Tarnovo	Jackals adult	Biomarker	Tetracycline in bones	10	6	60 %
Vidin	Foxes adult	Biomarker	Tetracycline in bones	3	3	100 %
Vidin	Jackals adult	Biomarker	Tetracycline in bones	19	19	100 %
Vratza	Foxes adult	Biomarker	Tetracycline in bones	45	34	75.56 %
Vratza	Jackals adult	Biomarker	Tetracycline in bones	57	47	82.46 %
Dobrich	Foxes adult	Biomarker	Tetracycline in bones	19	18	94.74 %
Dobrich	Jackals adult	Biomarker	Tetracycline in bones	13	12	92.31 %
Kardzhali	Foxes adult	Biomarker	Tetracycline in bones	30	15	50 %
Kardzhali	Foxes adult	Biomarker	Tetracycline in bones	6	2	33.33 %
Kyustendil	Foxes adult	Biomarker	Tetracycline in bones	8	7	87.5 %
Kyustendil	Jackals adult	Biomarker	Tetracycline in bones	9	8	88.89 %
Montana	Foxes adult	Biomarker	Tetracycline in bones	46	37	80.43 %
Pazardzhik	Foxes adult	Biomarker	Tetracycline in bones	23	22	95.65 %
Pazardzhik	Jackals adult	Biomarker	Tetracycline in bones	23	21	91.3 %
Pernik	Foxes adult	Biomarker	Tetracycline in bones	14	11	78.57 %
Pernik	Jackals adult	Biomarker	Tetracycline in bones	2	2	100 %
Pleven	Foxes adult	Biomarker	Tetracycline in bones	6	6	100 %
Pleven	Jackals adult	Biomarker	Tetracycline in bones	23	16	69.57 %
Plovdiv	Foxes adult	Biomarker	Tetracycline in bones	15	1	6.67 %
Plovdiv	Jackals adult	Biomarker	Tetracycline in bones	24	4	16.67 %
Razgrad	Foxes adult	Biomarker	Tetracycline in bones	56	37	66.07 %
Razgrad	Jackals adult	Biomarker	Tetracycline in bones	50	35	70 %
Ruse	Foxes adult	Biomarker	Tetracycline in bones	7	2	28.57 %
Ruse	Jackals adult	Biomarker	Tetracycline in bones	11	9	81.82 %
Silistra	Foxes adult	Biomarker	Tetracycline in bones	68	55	80.88 %
Silistra	Jackals adult	Biomarker	Tetracycline in bones	54	44	81.48 %
Smolyan	Foxes adult	Biomarker	Tetracycline in bones	17	7	41.18 %
Sofia-city	Foxes adult	Biomarker	Tetracycline in bones	1	0	0 %
Sofia-city	Jackals adult	Biomarker	Tetracycline in bones	1	0	0 %
Sofia-district	Foxes adult	Biomarker	Tetracycline in bones	43	34	79.07 %
Sofia-district	Jackals adult	Biomarker	Tetracycline in bones	19	16	84.21 %
Stara Zagora	Foxes adult	Biomarker	Tetracycline in bones	5	0	0 %
Stara Zagora	Jackals adult	Biomarker	Tetracycline in bones	39	1	2.56 %

Haskovo	Foxes adult	Biomarker	Tetracycline in bones	16	0	0 %
Haskovo	Jackals adult	Biomarker	Tetracycline in bones	84	30	35.71 %
Shumen	Foxes adult	Biomarker	Tetracycline in bones	3	2	66.67 %
Shumen	Jackals adult	Biomarker	Tetracycline in bones	4	0	0 %
Yambol	Foxes adult	Biomarker	Tetracycline in bones	4	0	0 %
Yambol	Jckals adult	Biomarker	Tetracycline in bones	11	1	9.09 %
Total				2,758	1,201	43.55 %

Table A2 - SURVEILLANCE TESTS

Region	Animal species	Category	Test description	Number of tests	Number of cases
Blagoevgrad	Foxes	Active	fluorescent antibody test (IF)	52	0
Blagoevgrad	Jackals	Active	fluorescent antibody test (IF)	4	0
Burgas	Foxes	Active	fluorescent antibody test (IF)	24	0
Burgas	Jackals	Active	fluorescent antibody test (IF)	78	0
Veliko Tarnovo	Foxes	Active	fluorescent antibody test (IF)	7	0
Veliko Tarnovo	Jackals	Active	fluorescent antibody test (IF)	14	0
Vidin	Foxes	Active	fluorescent antibody test (IF)	6	0
Vidin	Jackals	Active	fluorescent antibody test (IF)	50	0
Vratza	Foxes	Active	fluorescent antibody test (IF)	91	0
Vratza	Jackals	Active	fluorescent antibody test (IF)	123	0
Dobrich	Foxes	Active	fluorescent antibody test (IF)	37	0
Dobrich	Jackals	Active	fluorescent antibody test (IF)	28	0
Kardzhali	Foxes	Active	fluorescent antibody test (IF)	63	0
Kardzhali	Jackals	Active	fluorescent antibody test (IF)	12	0
Kyustendil	Foxes	Active	fluorescent antibody test (IF)	22	0
Kyustendil	Jackals	Active	fluorescent antibody test (IF)	15	0
Montana	Foxes	Active	fluorescent antibody test (IF)	52	0
Pazardzhik	Foxes	Active	fluorescent antibody test (IF)	32	0
Pazardzhik	Jackals	Active	fluorescent antibody test (IF)	34	0
Pernik	Foxes	Active	fluorescent antibody test (IF)	23	0
Pernik	Jackals	Active	fluorescent antibody test (IF)	9	0
Pleven	Foxes	Active	fluorescent antibody test (IF)	20	0
Pleven	Jackals	Active	fluorescent antibody test (IF)	74	0
Plovdiv	Foxes	Active	fluorescent antibody test (IF)	28	0
Plovdiv	Jackals	Active	fluorescent antibody test (IF)	52	0
Razgrad	Foxes	Active	fluorescent antibody test (IF)	123	0
Razgrad	Jackals	Active	fluorescent antibody test (IF)	123	0
Ruse	Foxes	Active	fluorescent antibody test (IF)	9	0
Ruse	Jackals	Active	fluorescent antibody test (IF)	16	0
Silistra	Foxes	Active	fluorescent antibody test (IF)	107	0
Silistra	Jackals	Active	fluorescent antibody test (IF)	98	0
Smolyan	Foxes	Active	fluorescent antibody test (IF)	26	0
Sofia-city	Foxes	Active	fluorescent antibody test (IF)	10	0
Sofia-city	Jackals	Active	fluorescent antibody test (IF)	4	0
Sofia-district	Foxes	Active	fluorescent antibody test (IF)	71	0
Sofia-district	Jackals	Active	fluorescent antibody test (IF)	29	0
Stara Zagora	Foxes	Active	fluorescent antibody test (IF)	13	0
Stara Zagora	Jackals	Active	fluorescent antibody test (IF)	81	0
Haskovo	Foxes	Active	fluorescent antibody test (IF)	31	0
Haskovo	Jackals	Active	fluorescent antibody test (IF)	176	0

Shumen	Foxes	Active	fluorescent antibody test (IF)	6	0
Shumen	Jackals	Active	fluorescent antibody test (IF)	9	0
Yambol	Foxes	Active	fluorescent antibody test (IF)	10	0
Yambol	Jackals	Active	fluorescent antibody test (IF)	23	0
Varna	Foxes	Active	fluorescent antibody test (IF)	15	0
Varna	Jackals	Active	fluorescent antibody test (IF)	17	0
Gabrovo	Foxes	Active	fluorescent antibody test (IF)	92	0
Gabrovo	Jackals	Active	fluorescent antibody test (IF)	102	0
Lovech	Foxes	Active	fluorescent antibody test (IF)	20	0
Lovech	Jackals	Active	fluorescent antibody test (IF)	34	0
Sliven	Foxes	Active	fluorescent antibody test (IF)	10	0
Sliven	Jackals	Active	fluorescent antibody test (IF)	23	0
Targovishte	Foxes	Active	fluorescent antibody test (IF)	7	0
Targovishte	Jackals	Active	fluorescent antibody test (IF)	3	0
Haskovo	Wolves	Active	fluorescent antibody test (IF)	5	0
Sofia-district	Wolves	Passive	fluorescent antibody test (IF)	1	0
Varna	Bat	Passive	fluorescent antibody test (IF)	1	0
Sofia-city	Dormouse	Passive	fluorescent antibody test (IF)	1	0
Sliven	Bovine	Passive	fluorescent antibody test (IF)	1	0
Razgrad	Dogs	Passive	fluorescent antibody test (IF)	1	0
Stara Zagora	Dogs	Passive	fluorescent antibody test (IF)	2	0
Ruse	Cats	Passive	fluorescent antibody test (IF)	1	0
Sofia-city	Cats	Passive	fluorescent antibody test (IF)	1	0
Burgas	Foxes	Passive	fluorescent antibody test (IF)	2	0
Varna	Foxes	Passive	fluorescent antibody test (IF)	1	0
Veliko Tarnovo	Foxes	Passive	fluorescent antibody test (IF)	2	0
Gabrovo	Foxes	Passive	fluorescent antibody test (IF)	1	0
Kardzhali	Foxes	Passive	fluorescent antibody test (IF)	2	0
Pazardzhik	Foxes	Passive	fluorescent antibody test (IF)	6	0
Plovdiv	Foxes	Passive	fluorescent antibody test (IF)	1	0
Sliven	Foxes	Passive	fluorescent antibody test (IF)	1	0
Smolyan	Foxes	Passive	fluorescent antibody test (IF)	4	0
Sofia-district	Foxes	Passive	fluorescent antibody test (IF)	8	0
Burgas	Jackals	Passive	fluorescent antibody test (IF)	4	0
Varna	Jackals	Passive	fluorescent antibody test (IF)	3	0
Vidin	Jackals	Passive	fluorescent antibody test (IF)	1	0
Gabrovo	Jackals	Passive	fluorescent antibody test (IF)	1	0
Sofia-district	Jackals	Passive	fluorescent antibody test (IF)	5	0
Burgas	Marten	Passive	fluorescent antibody test (IF)	1	0
Burgas	Otter	Passive	fluorescent antibody test (IF)	1	0
Burgas	Badger	Passive	fluorescent antibody test (IF)	2	0
Gabrovo	Dogs	Passive	fluorescent antibody test (IF)	17	0
Montana	Dogs	Passive	fluorescent antibody test (IF)	1	0
Pazardzhik	Dogs	Passive	fluorescent antibody test (IF)	3	0
Burgas	Cats	Passive	fluorescent antibody test (IF)	2	0
Blagoevgrad	Foxes	Passive	fluorescent antibody test (IF)	2	0
Burgas	Foxes	Passive	fluorescent antibody test (IF)	3	0
Vratza	Foxes	Passive	fluorescent antibody test (IF)	6	0
Dobrich	Foxes	Passive	fluorescent antibody test (IF)	1	0
Kardzhali	Foxes	Passive	fluorescent antibody test (IF)	6	0

Kyustendil	Foxes	Passive	fluorescent antibody test (IF)	1	0
Montana	Foxes	Passive	fluorescent antibody test (IF)	7	0
Pazardzhik	Foxes	Passive	fluorescent antibody test (IF)	1	0
Smolyan	Foxes	Passive	fluorescent antibody test (IF)	2	0
Shumen	Foxes	Passive	fluorescent antibody test (IF)	2	0
Burgas	Jackals	Passive	fluorescent antibody test (IF)	2	0
Varna	Jackals	Passive	fluorescent antibody test (IF)	3	0
Vratza	Jackals	Passive	fluorescent antibody test (IF)	7	0
Sliven	Jackals	Passive	fluorescent antibody test (IF)	1	0
Stara Zagora	Jackals	Passive	fluorescent antibody test (IF)	1	0
Shumen	Jackals	Passive	fluorescent antibody test (IF)	1	0
Burgas	Dogs	Passive	fluorescent antibody test (IF)	2	0
Varna	Dogs	Passive	fluorescent antibody test (IF)	1	0
Dobrich	Dogs	Passive	fluorescent antibody test (IF)	1	0
Sliven	Dogs	Passive	fluorescent antibody test (IF)	1	0
Shumen	Dogs	Passive	fluorescent antibody test (IF)	2	0
Burgas	Cats	Passive	fluorescent antibody test (IF)	1	0
Varna	Cats	Passive	fluorescent antibody test (IF)	1	0
Total				2,376	0

Number of rabies virus isolates typed for differentiation from vaccine		0
Typing results (please indicate the number of field strains/vaccine strains, and (optional) comment)	0	

Table B - WILDLIFE ORAL VACCINATION

Aerial distribution data files:

Downloadable via URL	https://drive.google.com/open?id=1MicyEYuSSh9luQt-u0DuLuFuF0mGG_OI
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Description of the analysis performed by the Competent Authority on the aerial distribution data and conclusions of the assessment for the quality of the distribution:

Two oral vaccination campaigns were carried out on the territory of Bulgaria in 2018, covering 23 regions (21 by aerial distribution only, one - by aerial and manual distribution (Montana) and one - by manual distribution only). In total 2875800 baits were distributed during both campaigns as follows:
-1425900 by aerial distribution in the spring vaccination campaign (covering 57050 sq km) (24,99 baits per sq km on average), and another 12 000 baits were distributed manually;
-1425900 by aerial distribution in the autumn vaccination campaign (covering 59347 sq km) (24,03 baits per sq km on average) and another 12 000 baits were distributed manually.
The delivery of 2874950 and the aerial distribution of 2850950 baits were paid by the CA, as per the contract with the provider.

Start date of First Campaign	15/6/2018	End date of First Campaign	29/6/2018
Start date of Second Campaign	4/11/2018	End date of Second Campaign	5/12/2018

Region/Area	Product used	Number of doses	Size of vaccinated area (km ²)	Distribution method
Ruse, V.Tarnovo, Pleven, Vratza, Pernik, Kyustendil, Smolyan, Kardzhali, Haskovo, Dobrich, Silistra, Vidin, Montana, Blagoevgrad, Pazardzhik, Yambol, Burgas, Plovdiv, Stara Zagora, Sofia-district, Shumen, Razgrad	Lysvulpen	2,851,800	58,199	Aerial
Sofia-city, Montana	Lysvulpen	24,000	4,300	Manual
Total		2,875,800	62,499	

Table C - OFFICIAL CONTROL OF ORAL VACCINES BEFORE THEIR DISTRIBUTION

Number of batches distributed	Number of batches controlled by CA	Number of batches rejected
10	11	0

Batch number	Manufacturer	Sampling date	Virus titration result	Outcome of the titration
7124	Bioveta	24/5/2018		Acceptable
7324	Bioveta	24/5/2018		Acceptable
7424	Bioveta	24/5/2018		Acceptable
7724S	Bioveta	24/5/2018		Acceptable

8125	Bioveta	24/5/2018		Acceptable
77245 (manual distribution)	Bioveta	24/5/2018		Acceptable
7924	Bioveta	26/9/2018		Acceptable
8125	Bioveta	26/9/2018		Acceptable
0225	Bioveta	26/9/2018		Acceptable
0325	Bioveta	26/9/2018		Acceptable
0425	Bioveta	26/9/2018		Acceptable

COMMENT / ADDITIONAL CLARIFICATION

n/a

1.8.10 SANTE Data Collection Platform - PRODUCTION • Contact us at SANTE-XMLGATE3@ec.europa.eu