

№	Registr. year	Registration number	Results of scientific and (or) scientific-technical activities	Field of application
1	2026	PHНТД26РК0067	Genetic database and cartographic model of the distribution of zoonotic protozooses of cats in the Republic of Kazakhstan	Veterinary medicine
2	2026	PHНТД26РК0058	Automated grain-fertilizer-grass seeder for differentiated direct sowing of agricultural crops under cover crops and into turf with simultaneous application of mineral fertilizers	Agriculture, agricultural engineering
3	2026	PHНТД26РК0027	Chisel deep ripper-fertilizer	Agriculture
4	2026	PHНТД26РК0046	Collection of nucleotide sequences in GenBank of the NCBI database	State and private veterinary and medical institutions dealing with the problems of zoonanthroponotic mycoses, as well as scientific research institutions of the country
5	2026	PHНТД26РК0022	Open-source software with a user interface for identifying tandem repeats in whole-genome sequencing	Bioinformatics, biology, physiology, biomedicine, biotechnology.
6	2026	PHНТД26РК0061	Analytical system for predicting the dynamics of grain crop pests population in Kazakhstan based on a neural network model	Agriculture, information technology
7	2026	PHНТД26РК0060	IHA-kit for brucellosis diagnostics	Veterinary diagnostics
8	2026	PHНТД26РК0020	Tillage-sowing machine for grain crops in the precision farming system	Agriculture and agricultural engineering
9	2025	PHНТД25РК0116	Technology of cryopreservation of cyprinid fish sperm	Fisheries, Aquaculture
10	2025	PHНТД25РК0097	"Technology of growing a valuable aquaculture object in a closed water supply installation (RAS)"	Aquaculture, Fisheries
11	2025	PHНТД25РК0088	Technology for growing valuable aquaculture objects using geothermal sources	Aquaculture, Fisheries
12	2025	PHНТД25РКИ057	Methodological recommendations on the development of agrotourism in Kazakhstan as a tool for sustainable development of rural areas and promotion of traditional food products	
13	2025	PHНТД25РКИ026	Recommendations on calculating the socio-economic effects of creating rural guest houses within the framework of agrotourism (using the example of the Akmola region of the Republic of Kazakhstan)	
14	2025	PHНТД25РК0032	A method for increasing fish production in lake-commercial farms	Aquaculture, Fisheries
15	2025	PHНТД25РК0013	Experimental model of an automatically controlled wind-powered sail power plant	Individual housing, small production sites, peasant farms

16	2025	РННТД25ПК0014	Development of adaptive methods to increase the productivity and drought resistance of soft wheat in the arid conditions of Central and Northern Kazakhstan using mathematical modeling	Agriculture
17	2025	РННТД25ПК0019	New domestic millet variety "Merey"	Biotechnology, agriculture, breeding and seed production.
18	2025	РННТД25ПК0020	Development of an enzyme-linked immunosorbent assay (ELISA) test system based on a recombinant <i>Trichinella</i> spp. antigen	Medicine and veterinary
19	2025	РННТД25ПК0021	Catalog of domestic and foreign high-yielding potato varieties and promising breeding samples with DNA markers for resistance genes to viruses, late blight, and nematodes	Potato growing, research institutions, elite seed and seed farms
20	2024	РННТД24ПК0040	IHA test for trichinellosis diagnostics	Veterinary
21	2024	РННТД24ПК0060	Method for determining cold tolerance in beef cattle	Husbandry (meat direction)
22	2024	РННТД24ПК0133	Technology for the production of meat products enriched with micronutrients based on the use of a biologically active additive	
23	2024	РННТД24ПК0138	IHA test for rapid diagnostics of <i>Salmonella</i> abortion in horses	Veterinary
24	2024	РННТД24ПК0175	Spring durum wheat variety "Yantarnaya 160"	The utility model
25	2024	РННТД24ПК0180	Set of species-specific nucleotide sequences of primers and probes for the identification of <i>Staphylococcus aureus</i> and <i>Streptococcus agalactiae</i> with determination of antibiotic resistance loci	Food safety, veterinary
26	2024	РННТД24ПК0181	Microorganism strain <i>Escherichia coli</i> Arctic Express (DE3)/MBCAS12A – producer of recombinant endonuclease	The utility model relates to biotechnology, in particular to strains of microorganisms that produce recombinant endonuclease MbCas12a
27	2024	РННТД24ПКИ144	Recipes and methods for obtaining new types of meat products	Production of meat products, meat semi-finished products, delicacies, cooking
28	2024	РННТД24ПК0183	Smart pastures in beef cattle farming	Horse breeding, meat cattle

29	2024	PHНТД24РК0184	Software product for regulating the feeding of dairy cows	The results are used in farms engaged in breeding. Methods of integrated assessment of the sustainable development of individual administrative-territorial areas of the Russian Federation. Agriculture. Specific primers for species identification are synthesized. Molecular genetic and veterinary diagnostic laboratories, scientific research organizations are developed.
30	2024	PHНТД24РК0211	Technology for ensuring the quality preservation of agricultural raw materials and processed products	
31	2024	PHНТД24РК0214	Innovative technologies for processing animal and vegetable raw materials	
32	2024	PHНТД24РК0185	Methodological recommendations for improving the structural-functional mechanisms for strengthening socio-engineering infrastructure and improving the quality of life of the rural population	Agricultural industry
33	2024	PHНТД24РК0180	Set of species-specific nucleotide sequences of primers and probes for the identification of <i>Staphylococcus aureus</i> and <i>Streptococcus agalactiae</i> with determination of antibiotic resistance loci	
34	2024	PHНТД24РК0214	Technology for artificial reproduction of pike-perch in a closed water supply installation (RAS)	
35	2024	PHНТД24РКИ198	Technology for obtaining functional products based on the antlers of domestic maral deer	
36	2024	PHНТД24РК0245	Technology for meat gerodietic (dietary for elderly) products enriched with biologically active ingredients from secondary meat raw materials	
37	2024	PHНТД24РК0244	Technology for the production of food products with increased nutritional value and long shelf life using nutrients and nanocarboxylates (trace elements)	
38	2023	PHНТД23РК0005	Molecular genetic identification system for parasites most common among wild carnivores	Molecular genetics and veterinary diagnostic laboratories, research organizations.

39	2023	PHНТД23РК0014	Experimental plot for hardening heavy-duty parts of soil-cutting machines using innovative plasma technology	Agricultural engineering
40	2023	PHНТД23РК0015	Organization of poultry meat production in private households	Management and marketing in agriculture
41	2023	PHНТД23РК0020	Method for determining the infestation of agricultural lands in Northern Kazakhstan by non-gregarious locusts in relation to the assessment of phytosanitary control of pests	Forecasts and signaling of the appearance and development of pests.
42	2023	PHНТД23РК0024	Experimental model of a wide-span seeder for sowing seeds and differentiated application of mineral fertilizers to different specified depths	Agriculture
43	2023	PHНТД23РК0073	Technology for the production of meat products from camel and goat meat	Food and processing industry
44	2023	PHНТД23РК0132	Technology of new biodegradable film materials based on starch	Starch processing industry
45	2022	PHНТД22РК0009	Method for determining fish meat freshness	
46	2022	PHНТД22РК0010	Prototype of a gear pump with a biaxial connection	
47	2022	PHНТД22РК0011	Methodological documentation, methodological recommendations, databases of generalized tree chronologies, and a database of electronic maps of forest ecosystems in the East Kazakhstan Region	Ecology, dendrochronology, geobotany, environmental monitoring, forestry.
48	2022	PHНТД22РК0012	"Amplifluor-like SNP" molecular markers for genotyping in the creation of new wheat, barley, and chickpea breeding lines. Highly productive breeding lines were created from the resulting hybrid populations using genotyping based on molecular SNP markers	Agriculture (breeding of spring wheat, spring barley, and chickpeas) were identified and studied using modern methods (application of molecular markers and "Genome editing")
49	2022	PHНТД22РК????	Specific primers for multiplex diagnostics of pathogens of the <i>Opisthorchidae</i> family	Medicine and veterinary
50	2022	PHНТД22РК0013	Method for obtaining the energy-boosting immunomodulatory drink "BALKYMYZ"	Food industry and food safety
51	2022	PHНТД22РК0018	Automated system for industrial environmental monitoring	Industrial enterprises and electrical supply
52	2022	PHНТД22РК0029	Experimental model of a wide-span, pneumatic seeder for sowing grain crops with automated control of the technological process	Agriculture
53	2022	PHНТД22РК0106	Technologies for the production and processing of sheep milk	Animal husbandry, including sheep breeding; food industry (dairy industry).
54	2017	PHНТД17РК0046	Development of conservation technology for the cultivation of drought-resistant oilseed crops (using the example of camelina) based on reduced and no-till soil processing in the arid steppe zone of the Akmola region	

55	2017	PHНТД17PK0088	Conservation technology for oilseed crops in the arid steppe zone of Northern Kazakhstan	
56	2017	PHНТД17PK0198	Copro-ELISA kit for the diagnosis of canine echinococcosis	
57	2017	PHНТД17PK0201	Immunochromatographic test for rapid detection and differentiation of the <i>Campylobacter</i> pathogen in cattle	
58	2017	PHНТД17PK0202	ELISA test kit for the serological diagnosis of opisthorchiasis	
59	2017	PHНТД17PK0231	Method for determining nitrates in meat and meat products	
60	2017	PHНТД17PK0449	Technology of subsoil differentiated three-layer application of mineral fertilizers and a cultivator-fertilizer for its implementation	
61	2017	PHНТД17PK0530	Resource-saving feed additives and method of their application	
62	2015	PHНТД15K0025	Conservation technology for surface improvement of natural hayfields and pastures for the steppe zone	
63	2015	PHНТД15K0233	Test system for the diagnosis of animal rabies by indirect enzyme-linked immunosorbent assay	
64	2015	PHНТД15K0234	Enzyme-linked immunosorbent assay (ELISA) test system for serological diagnosis of trichinellosis	
65	2014	PHНТД14K0067	Development of safflower cultivation technology taking into account diversification in the dark chestnut soils of Northern Kazakhstan	
66	2014	PHНТД14K0068	Database on the epizootic situation of rabies in anthropurgic foci and wild fauna in the Republic of Kazakhstan for 2003–2013; map of the epizootic spread of rabies	
67	2014	PHНТД14K0091	Database on the epizootic situation regarding foot-and-mouth disease and anthrax of farm animals in the Republic of Kazakhstan	
68	2014	PHНТД14K0129	Monitoring of the quality and safety of animal meat sold in large cities of central and northern Kazakhstan. Methods were developed for determining meat safety by bio-testing, as well as methods for determining the degree of freshness of meat, meat obtained from sick and fallen animals, and a method for determining polyphosphates in meat	
69	2014	PHНТД14K0130	Monitoring of technogenic contamination of animal products in the Akmola, North Kazakhstan, and Karaganda regions; assessment of quality and safety; development of processing and detoxification methods for meat, milk, and dairy products contaminated with heavy metal compounds; as well as recommendations on veterinary-sanitary examination of animal products upon contamination with extraneous substances of technogenic nature	
70	2014	PHНТД14K0131	Development of means for early diagnosis of obstetric pathologies of imported cow breeds in the conditions of Northern Kazakhstan	

71	2014	РННТД14К0137	Development of an experimental model of a seeder for sowing with simultaneous application of mineral fertilizers for moisture-resource-saving technology of crop cultivation	
72	2014	РННТД14К0149	Software and technical means for monitoring and controlling the automated technological process of differentiated application of seeds and fertilizers in an accepted positioning system	
73	2014	РННТД14К0193	Innovative technology of plasma hardening of the flanges of solid-rolled locomotive wheels developed	
74	2014	РННТД14К0194	Innovation in phytosanitary monitoring and forecasting of particularly dangerous harmful organisms (<i>Apamea anceps</i> Schiff., <i>Mayetiola destructor</i> Say) of grain crops in Northern Kazakhstan based on GLONASS/GPS geoinformation technologies to ensure grain production and food security	
75	2014	РННТД14К0195	Innovation in methods for identifying and eliminating creeping thistle (<i>Acroptilon repens</i>) to ensure guaranteed grain exports and food security	
76	2014	РННТД14К0201	Hybrid strain of cultured animal cells <i>Mus musculus</i> L. used to obtain monoclonal anti-idiotypic antibodies to immunoglobulins against the excretory-secretory antigen of <i>Opisthorchis felineus</i>	
77	2014	РННТД14К0202	PCR test system for the diagnosis of animal paratuberculosis "PCR-PARATUB"	
78	2014	РННТД14К0204	Microorganism strain "F - Tm - m - 9"	
79	2014	РННТД14К0205	Microorganism strain "F - Tv - 6"	
80	2014	РННТД14К0206	Producer strain "F - Tm-i - 5"	
81	2014	РННТД14К0207	Atlas of dermatophyte pathogens circulating in the territory of Kazakhstan	
82	2014	РННТД14К0208	Collection of dermatophytes	
83	2014	РННТД14К0209	Method of serological diagnosis of animal and human dermatophytes based on agglutination tests	
84	2014	РННТД14К0210	Method of serological diagnosis of human and animal dermatophytes	
85	2014	РННТД14К0211	Producer strain "F - Mc - 13"	
86	2014	РННТД14К0212	Microorganism strain "F - Tv - 41"	
87	2014	РННТД14К0213	Producer strain "F - Tr - 42"	
88	2014	РННТД14К0214	Microorganism strain "F - Tt - 86"	
89	2014	РННТД14К0241	IHA-test system for diagnosing infarction	
90	2014	РННТД14К0258	Method of using anti-idiotypic antibodies directed against immunoglobulins specific to the lipopolysaccharide antigen of <i>Brucella</i> and their FAB fragments for the development of experimental diagnostic and preventive agents	

91	2014	РННТД14К0276	Ceramic materials for manufacturing membranes and electrodes in gas filters operating at low temperatures	
92	2014	РННТД14К0325	Technology of soil preparation for sowing grain legumes in the arid steppe zone of Northern Kazakhstan	
93	2014	РННТД14К0326	Complex measures for fighting creeping thistle on dark chestnut soils in the arid steppe zone of Northern Kazakhstan	
94	2014	РННТД14К0538	Assessment of nitrogen and phosphorus content in the soil for different oat varieties and methods of achieving them	
95	2014	РННТД14К0539	Methodology for calculating the impact of farming technologies on labor productivity in grain production with automation of calculations	