

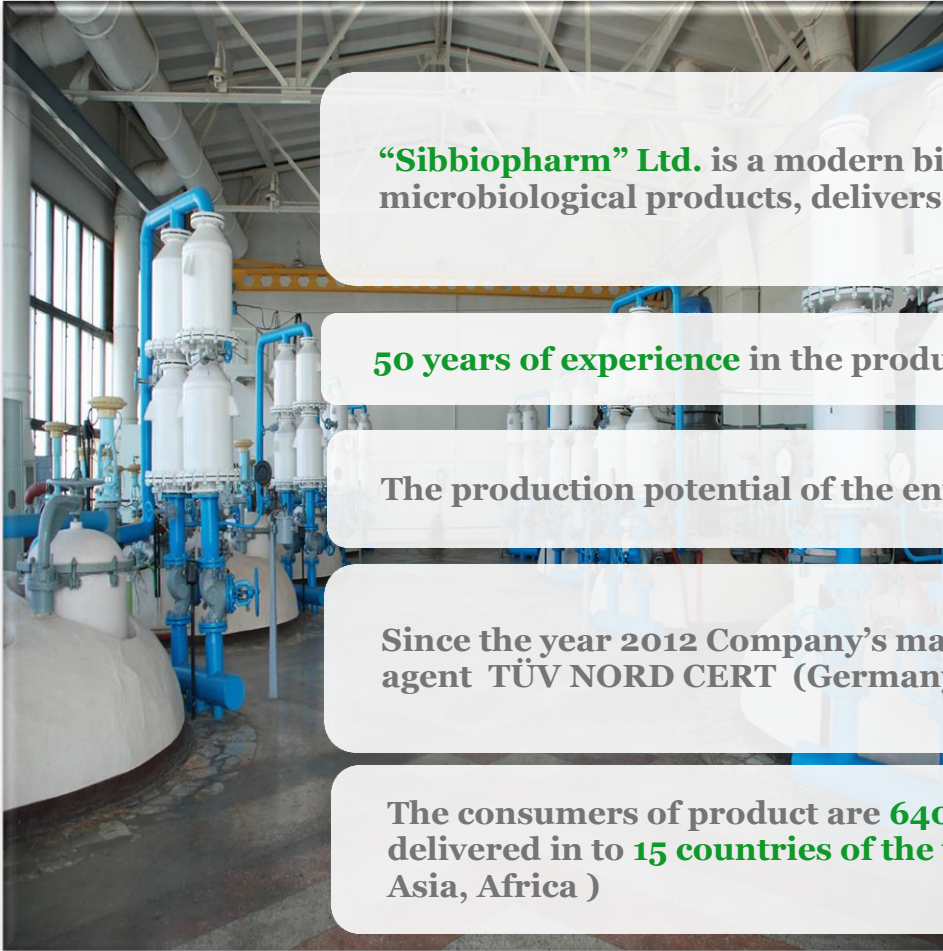


# GLUCOLUX<sup>®</sup> - F

**Enzyme product for poultry  
manufactured by “Sibbiopharm”  
Ltd.**

*ANIMAL NUTRITION and HEALTH Sibbio*

# “SIBBIOPHARM” LTD. TODAY



“Sibbiopharm” Ltd. is a modern biotechnological enterprise, producers and sells microbiological products, delivers to specified points, advises on application issues

**50 years of experience** in the production of biotechnology products

The production potential of the enterprise is up to **15 thousand tons per year**

Since the year 2012 Company’s management system has been certified by certifying agent TÜV NORD CERT (Germany) in accordance with **ISO 9001:2008**

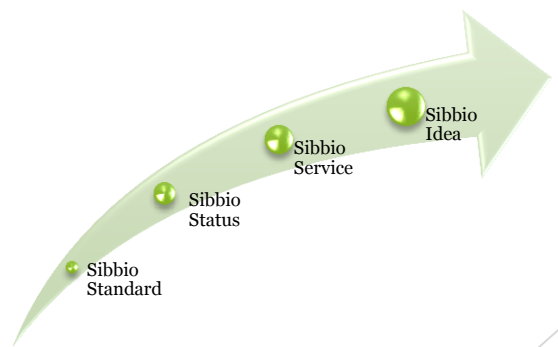
The consumers of product are **640 enterprises** of Russia Federation. The products are delivered in to **15 countries of the world** (the CIF countries, Europe, South America, Asia, Africa )



# ***ANIMAL NUTRITION and HEALTH***

# ***Sibbio***

<b>Sibbio Standard</b>	<ul style="list-style-type: none"><li>- a reliable system for identifying enzyme activity</li><li>- three-level / three-phase control and standardization of the final product</li><li>- + 15 % activity. Safety stock in case of equipment problems, caused by human factor in case of losses caused by over-aggressive temperatures or long-term storage.</li></ul>
<b>Sibbio Service</b>	Service from Sibbio – is a real tool for the specialized selection of necessary activities, depending on the type of the diet, the age of poultry or animal, type of feeding. Service from Sibbio – is a guarantee of high-quality advice in the field of diet and biotechnology by highly qualified specialists.
<b>Sibbio Idea</b>	to offer the best solution in the field of enzyme products application for fodder production; introduce new solutions of enzyme activities and, through this, increase the profit of our partners.
<b>Sibbio Status</b>	The status of the manufacturer, who possesses competence of synthesizing active materials and the technologies for the production of finished commodity forms. Today Sibbio is an unique existing industry in the territory of the Russian Federation, EAEU.



# ENZYME PRODUCT FOR POULTRY

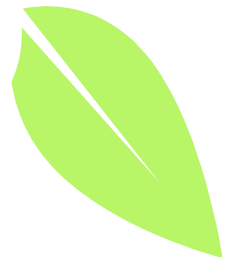
**GLUCOLUX-F** is applied in diets of animals to increase feed energy nutrition and digestibility by means of enrichment of feed with monosaccharides.



Main enzyme	Activity, U/gr	
Glucoamylase	not less than 1000	not less than 3000

\* *Accompanying activities:*  $\beta$ -glucanase – 50 (125) U/gr ,  $\alpha$ -amylase – 50 (125) U/gr, xylanase – 600 (1500) U/gr, cellulose – 40 (100) U/gr

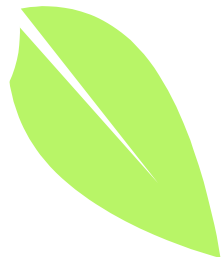
\* *Consumption rates:* GlucoLux-F (A-1000)– 500 gr/ton  
GlucoLux-F (A-3000) – 165 gr/ton





# ADVANTAGES OF GLUCOLUX-F

- helps to increase animal productivity with the same diets, reducing feed cost per unit;
- improves microbiological environment of intestinal tract by reducing viscosity and increasing level of monosaccharides;
- increases digestibility of nutrient and improves their absorption in small intestine;
- activates immunological processes, which leads to increase of body resistance.



# EFFICACY OF GLUCOLUX-F (GLUCOAMYLASE) IN COMBINATION WITH FIDBEST WP (XYLANASE, GLUCANASE, PHYTASE) IN GROWING BROILERS

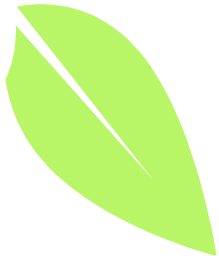


Index	Group			
	Complete feed (CF) without enzymes	CF + Feedbest WP in a dose of 100 gr/ton (CF 1)	CF 1 + Amylosubtilin (A 1 500) in a dose of 300 gr/ton	CF 1 + GlucoLux-F (A 1 000) in a dose of 500 gr/ton
Viability, %	100,0	100,0	100,0	100,0
Body-weight B on the average 36 days	1997,8	2079,5	2091,3	2112,7
% to control	100,0	104,1	104,7	105,8
Average daily gain, gr	54,3	56,6	56,9	57,5
Conversion, kg/gk	1,72	1,66	1,64	1,63
% to control	100,0	96,5	95,3	94,8



# THE RESULTS OF THE FARM SCALE TRIAL ON BROILERS ROSS 308, “MEZHENINOVSKAYA” POULTRY PLANT


Index	Control	Experiment	Difference
Days of feeding	41,45	41,49	-
Average daily gain, gr	64,76	65,18	+0,42
Live weight of 1 animal	2 684	2 704	+20
Conversion	1,61	1,59	-0,02
Viability,%	95,29	95,94	+0,65
Productivity index	383	393	+10





# THE RESULTS OF THE FARM SCALE TRIAL ON BROILERS ROSS 308, “NOVOSIBIRSK POULTRY PLANT”

Index	Control	Experiment	Difference
Days of feeding	42	42	-
Average daily gain, gr	61,8	62,9	+1,1
Live weight of 1 animal	2 505	2 571	+66
Conversion	1,63	1,59	-0,04
Viability,%	94,2	95,5	+1,3
Productivity index	357	378	+21

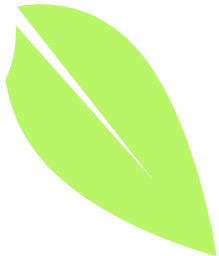






# THE RESULTS OF THE FARM SCALE TRIAL ON BROILERS HUBBARD ISA F 15, “KOCHENEVSKAYA POULTRY PLANT”

Index	Control	Experiment	Difference
Days of feeding	40	40	
Average daily gain, gr	56,1	58,8	+2,7
Live weight of 1 animal	2 226	2 331	+105
Conversion	1,57	1,56	-0,01
Viability,%	97,4	97,8	+0,4
Productivity index	348	369	+21



# Thank you!

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