



Vector-BiAlgam

INJECTABLE DRUG FILLING LINE

- ☐ Syringe doses
- ☐ Ampoules
- ☐ Vials

“Vector-BiAlgam”, PC

The company was founded in **1996** on the ground of the State scientific center of virusology and biotechnology “Vector” (naukograd Koltsovo, Novosibirsk region)

Line of business:
manufacture of immunobiological pharmaceuticals and probiotics.



Leonid Nikulin
Chief executive director of “Vector-BiAlgam”, PC

Manufacturing base

- ☐ GMP quality system
- ☐ HACCP quality system
- ☐ ISO quality management system

Injections manufacturing:

- ☐ Hepatitis A vaccine
“ALGAVAC® M”
(The product is made in form of a suspension of Hepatitis A virions (LBA-86 strain), purified, concentrated, inactivated, and adsorbed with aluminium hydroxide. One ml of the vaccine contains no less than 320 ELISA units of an antigen to Hepatitis A virus.)

Probiotics manufacturing:

- ☐ Probiotics (supplements)
- ☐ Starters and technology for dairy industry
- ☐ Dry bacterial matter
- ☐ Bioproduct
- ☐ Probiotic micro-organism lysates

Contract manufacturing:

- ☐ Preparation of injectables and filling of syringe doses
- ☐ Preparation of injectables and filling of ampoules and vials.

Contract manufacturing

The company “Vector-BiAlgam” provides contract manufacturing services in preparation and filling of injectable pharmaceuticals into syringe doses, ampoules, and vials, with in-house facilities.

“Vector BiAlgam” guarantees:

- ☐ Completion of the following operation cycle: preparation (manufacturing of the prepared product form from pharmaceutical substance), in-bulk filling, marking, packaging
- ☐ Filling of products in full compliance with GMP standards
- ☐ Full compliance with the technological cycle and quality control of finished product in accordance with the Client’s demands.

Manufacturing filling area:

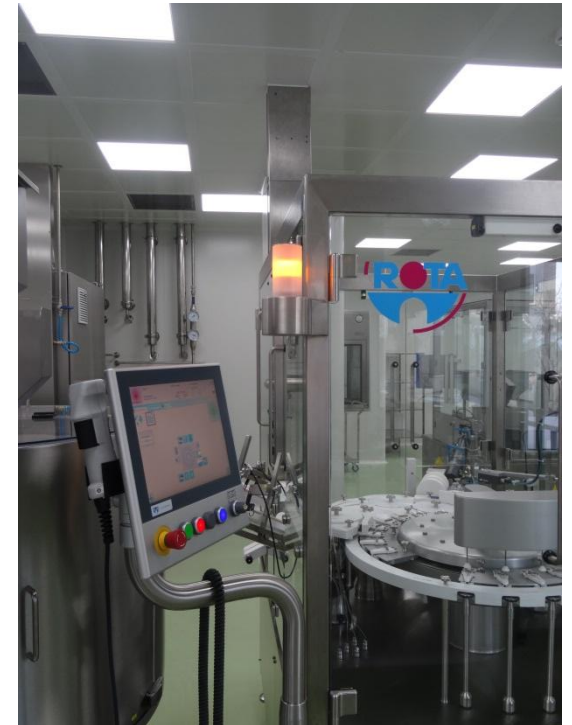
- ☐ Injectable drug filling line for syringe doses (pre-filled syringes)
- ☐ Combined ampoule/vial injectable drug filling line

Injectable drug filling line for syringe doses

- ❑ Productive capacity 9 000 pcs./hour (>7 mil. of syringes a year)
- ❑ Various injectable drug filling (including vaccines, serums, anatoxins, antidotes, vitamins, recombinant protein drugs, etc.)

The line consists of:

- ❑ Main block (syringe filling machine, Germany, ROTA)
- ❑ Denester (extraction of syringes from original packaging)
- ❑ Inspection machine (mechanical impurities, dosage level, plunger control)
- ❑ Plunger rod, backstopper insertion and marking machine
- ❑ Packaging blister (single blister cavity)



Combined ampoule and vial injectable drug filling line

- ❑ Productive capacity up to 9 000 ampoules/hour (>7 mil. of ampoules a year) and up to 6 000 vials/hour (>4 mil. of vials/year)
- ❑ Various injectable drug filling (including vaccines, serums, anatoxins, antidotes, vitamins, recombinant protein drugs, etc.)

The line consists of:

- ❑ Washing machine for ampoules and vials (WR16)
- ❑ Depyrogenization tunnel (DEPYR601) for sterilizing ampoules and vials
- ❑ Filling and sealing machine for ampoules and vials RSF03 with capping system.
- ❑ Automatic inspection machine (mechanical impurities, dosage level, integrity control) A35LD
- ❑ Automatic labeling machine RL-F30



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