

THE NEW STANDARD IN ASSAYS

CUTTING EDGE SOLUTIONS



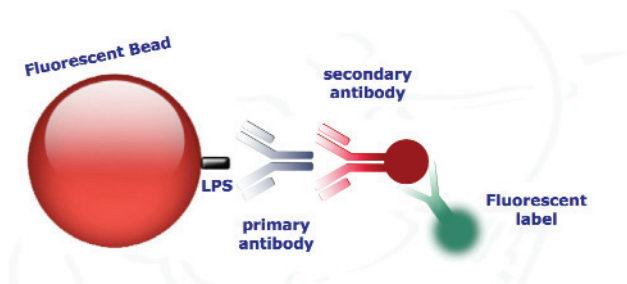
RNA BV

RnA BV was founded in 2005, by ing. Ron Wolbert (CEO), prof. dr. Aldert Bergwerff (CSO), and Utrecht University Holding, coming out of the Institute for Risk Assessment Sciences, Utrecht University, The Netherlands. RnA is presently located in Utrecht, but will move in 2009 to a new office with laboratory facilities in Amersfoort, also located in the center of The Netherlands.

RNA ACTIVITIES

RnA is the inventor of RnAssays® comprising of assays partly developed at the Utrecht University, and owns patents for the innovative covalent coupling of antigenic and receptor structures to solid surfaces, such as microspheres, sensor-surfaces or sensor-tips.

RnA is specialized in the development and application of rapid, accurate and cost-effective diagnostic assays. These are used for safety and quality control in the primary and secondary food production sectors with the focus on foods of animal origin.



VISION

RnA is a dynamic and fast growing company that values creditable business and excels in providing a diversity of innovative analytical tools for clinical and veterinary laboratories dedicated in serving our common welfare. RnA BV is a dynamic and fast growing company which excels in providing a diversity of innovative analytical tools for clinical and veterinary laboratories dedicated in serving our common welfare.

MISSION

RnA aspires to be the leading assay-providing company in the market today by supporting commercial and non-commercial organizations to protect the health of individuals and communities, across the entire spectrum from animal to human.

RnA meets these aspirations through the marketing of a whole range of innovative, cost-effective and high quality assay products perfect for assessing the quality and safety of food-chains and for supporting clinical diagnosis.

RnA is dedicated in providing outstanding service to its customers, who can be confident that RnA's products satisfy legislative and/or quality assurance requirements.

RAPID AND COST EFFECTIVE DIAGNOSTIC ASSAYS

RnA develops, patents, markets and provides new, innovative multi-analyte Plex™ assays to diagnostic laboratories in the animal production chain. A rapid analysis is carried out on e.g: serum, meat drip or egg, determining multiple microbial and non-microbial contaminations, including (zoonotic) pathogenic micro-organisms and residues of veterinary pharmaceuticals. Determination of these factors is acquired simultaneously in a single analysis run, requiring minimal sample volumes.

SYNERGY

A network of partners and distributors, including Utrecht University (NL), University of Turku (FI), University of Veterinary and Pharmaceutical Science Brno (CZ), Beckman Coulter (NL), Alaska Food Diagnostics (UK), and Centre d'Economie Rurale (CER Groupe, BE), constitute the core of our network. Together with a group of strong shareholders and an powerful intellectual property position, RnA goal is to be successful as the leading company in the market of food quality and food safety.

MULTIPLEX SCREENING OF PATHOGENS

RnA is a producer of screening assays for use in matrices such as serum, eggs, or meat drip. Through the combined technology of fluorescent beads and unique bead surface modification, antibiotic residues and (food-borne) pathogens, such as viruses, bacteria and parasites can be detected.

The RnAssays® product-line is based on an innovative, patented multi-analyte plex assay that determines multiple microbial and non-microbial contaminations simultaneously in a single sample and analysis run. A minimal animal derived sample volume is required.

INNOVATIVE ASSAY TECHNOLOGY

The immunoassay uses capturing antigens fixed on distinct sized microspheres for binding antibodies. Discrimination of the individual microspheres is achieved through the use of different enclosed fluorescent intensities. As each microsphere is coated with a specific antigen, a series of differentially coated beads enables the user to assess multiple analytes per sample. Through the use of an advanced applied flow cytometer platform not only can

differing fluorescent intensities be detected, but also very small size variations of microspheres can be distinguished. In the RnAssays® technology, a combination of three bead sizes and twelve fluorescent intensities per bead size offers up to 36 bead variants, thus allowing the simultaneous detection of 36 different analytes.

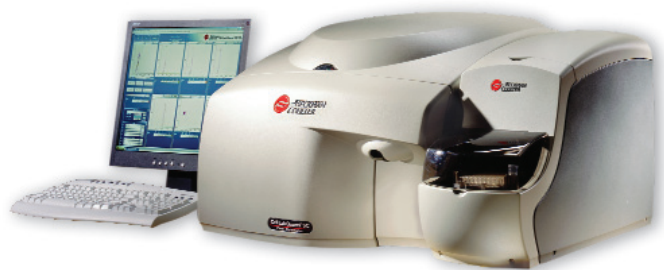
RnAssays® microsphere-based arrays provide a ready read-out of multiple parameters like in a clinical chemistry lab, providing customers an almost instant profile of the animal or animal population in question.

EFFICIENT

RnAssays® contribute to a more efficient work environment and workflow in diagnostic laboratories. The RnAssays® kits meet current and future legislation demanding (fresh) food products free from specific contaminants. The kits are suitable for modern routine laboratories due to their high throughput, short preparation and handling, and cost effective capabilities.

SAL PLEX™ SALMONELLA ASSAY

The Sal Plex™ is an example of one of test from the RnAssays® product line. It is an assay designed for *Salmonella* serogroup testing (B, C₁, C₂, D and E) in serum, meat drip and egg yolk. It measures antibodies raised by the infected animal against *Salmonella* of 100% of all relevant serovars. The combination of the thorough and accurate detection of *Salmonella* serogroups together with the possibility of detection of other contaminants, in other words a comprehensive profile of an animal, is one of the main advantages in using this cutting edge technology.



RnASSAYS® DETERMINE THE CONTAMINATION PROFILE OF AN ANIMAL

BECKMAN COULTER HARDWARE

The RnAssays® Plex™ kit analyses are carried out using with the Beckman Coulter Cell Lab Quanta™ SC MPL (Basic Plex™) flow cytometer. A convenient software interface is used in the collecting and analysing of the sample data. The unit can be expanded through the use of a Biomek NX automation workstation, known as Silver Plex™, or ultimately with a Biomek Robotic Transport device (BRT) and Cytomat Microplate Hotel Storage system, known as Gold Plex™. The operational hardware can be used in a rental lease arrangement.

RnASSAYS® PRODUCT LINE

In addition to the Sal Plex™ kit, a series of easy-to-use kits to determine the presence of agents, such as *Trichinella spiralis* (Trichi Plex™), *Toxoplasma gondii* (Toxo Plex™) and sulphonamides (Sulfo Plex™) for multiple matrices and animal species will become available.

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