



# **AUSTRALIAN PACKAGING COVENANT**

**Roche Diagnostics Australia**

## **ACTION PLAN**

**2012 - 2014**



## Executive Summary

Roche Diagnostics Australia Pty Limited is the Australian diagnostics division of the Roche Group, a multinational pharmaceutical and diagnostics company headquartered in Basel, Switzerland. Local operations are headquartered in Castle Hill, NSW and supports administration and operational activities.

Globally Roche maintains a strong commitment to sustainability and invests significantly in environmental programs and improvements. Roche implements this commitment to minimise the environmental impact of business operations and has made significant improvements in energy and water efficiency and implemented a range of sustainability programs.

As a signatory to the Australian Packaging Covenant, we will implement further actions to reduce the impact of our packaging, institute a more sustainable purchasing program and minimise waste to landfill where possible.

While Roche Diagnostics Australia has limited influence on the design of imported primary and secondary packaging, our review process will seek to improve and influence packaging design where there are opportunities.

Paul Cray  
Managing Director  
Roche Diagnostics Australia Pty Limited  
January 2012



## **About Roche**

Roche plays a pioneering role in healthcare. As an innovator of products and services for the early detection, prevention, diagnosis and treatment of diseases, we contribute on a broad range of fronts to improving people's health and quality of life. Roche is providing the first products that are tailored to the needs of specific patient groups. Our mission today and tomorrow is to create added value in healthcare by focusing on our expertise in diagnostics and pharmaceuticals.

## **Our Products**

As a research-focused healthcare company, Roche discovers, develops and provides innovative diagnostic and therapeutic products and services that deliver significant benefits to patients and healthcare professionals – from early detection and prevention of diseases to diagnosis, treatment, and treatment monitoring.

## **Our Responsibility**

At Roche we are committed to meeting high ethical standards and complying with all applicable local, national and international laws wherever we do business. Our ethical standards are embodied in our Corporate Principles.

## **Our History**

For more than 110 years Roche has played a pioneering role in healthcare all around the globe. This includes more than 40 years in Australia.

## ***About Roche Diagnostics Australia***

Roche Diagnostics Australia Pty Limited is the Australian diagnostic division of the Roche Group, a multinational pharmaceutical and diagnostics company headquartered in Basel, Switzerland. Local operations are headquartered in Castle Hill (Professional Diagnostics) and Bella Vista (Diabetes Care), NSW and support administration, operational activities, sales and marketing, medical and scientific, finance, information technology, logistics and human resources functions. In addition, we are co-located with the Roche Products Pty Ltd in four small office facilities located in Brisbane, Melbourne, Adelaide and Perth.

Roche Diagnostics Australia imports and distributes more than 10,000 diagnostic products to health care institutions, patients and their health care professionals as well as medical research institutions. A product area list is outlined below.

## Our Involvement

Our *in vitro diagnostic* products have been an integral part of patient management and are specifically designed to provide answers to the following areas of medicine:

Blood screening	Real time PCR clinical diagnostics
Cancer Screening and monitoring	Pharmacogenomics
Cardiac markers	Physical fitness testing
Cardiovascular testing	Quality Control products
Lipid monitoring	Serum work area
Coagulation monitoring	Clinical Workflow solutions
Data management	Cell analysis
Diabetes monitoring	Gene knockdown
Diabetes therapy	Protein analysis
Electrolyte analysis	Sequencing
Emergency triaging	Transfection
Haematology	Osteoporosis testing and monitoring
Haemostasis	Nucleic acid purification
Heterogenous immunochemistry	Neonatal Intensive care
Homogeneous immunoassays	Microarray technology
Immunology	Intensive care testing
Infectious diseases	

Roche Diagnostics place in the supply chain is one of a **Brand Owner** and the Brands distributed through the pharmacy supply chain are as follows:

### Blood glucose systems:

Accu-chek Performa	Accu-chek Active	Accu-chek Performa Nano
Accu-chek Performa Combo	Accu-chek Mobile	Accu-chek Integra
Accu-chek Aviva Expert	Accu-chek Go	Accu-chek Sensor Comfort

Coaguchek XS INR System

## ***Product Packaging***

The primary function of the Roche Diagnostics product packaging is to ensure products can be safely used by those they are intended for. The vast majority of users are health care professionals.

All primary, secondary and tertiary packaging is first and foremost designed to meet Australian and international regulatory requirements. Depending upon the diagnostic product, this may include packaging that maximises shelf-life, maintains the cold chain during transportation and storage and minimises the risk of product damage and tampering. In addition, packaging must be practical and cost-effective.

In order for the packaging to achieve its primary function, a range of different packaging materials are used including glass, plastics, aluminium, rubber, foil, cooling elements, paper and cardboard. Where possible, as much recycled content is used in the packaging however this varies across the product due to factors such as infections cross contamination, technical feasibility and quality issues.

All Roche primary and secondary packaging, and much of the tertiary packaging, is designed and manufactured overseas and imported to Australia. The Australian operation has very little influence on the design of this packaging.

## ***Corporate Standards and Environmental Performance***

### **Mission**

Our aim as a leading healthcare company is to create, produce and market innovative solutions of high quality for unmet medical needs. Our products and services help to prevent, diagnose and treat diseases, thus enhancing people's health and quality of life. We do this in a responsible and ethical manner and with a commitment to sustainable development respecting the needs of the individual, the society and the environment.

### **Commitment to the Environment**

As part of our commitment towards sustainable development we proactively seek to employ new, more sustainable technologies and processes and to minimize our impact on the environment.

### **Environmental Protection**

Protection of man, his surroundings and the environment are amongst the principal concerns of Roche. Such commitment is expressed through adhering to the International Chamber of Commerce's (ICC) Business Charter for Sustainable Development, the guidelines of the World Business Council for Sustainable Development (WBCSD) as well as the chemical industry's Responsible Care Programme.

The principle of prevention is central to all aspects of the Roche policy. In the area of environmental protection this means a sustainable use of resources in terms of avoiding waste and emissions, improving energy efficiency as well as striving for dematerialization.

## **Management of non-Renewable Resources**

Non-renewable resources have to be dealt with in a sustainable way. Increasing scarcity thereof is setting challenges for the future in terms of availability as well as pricing. Process development at Roche is therefore in continuous search of processes that are making best use of raw materials. This includes minimizing waste by improving yields, recycling of residual components and valorization of byproducts, i.e. selling these as a raw material for other processes. On the energy side the efforts are first of all targeting to improving efficiency through process modifications or innovative building technology. Another means is the switch from fossil fuels to renewable energy carriers.

## **General Principles**

Matters of safety, health and environmental protection are integral parts of business planning, processes and decision making and are handled with the same sense of responsibility, and just as methodically, as quality, productivity and cost-efficiency. This covers all issues within Roche as well as outside. Production constraints and other purely economic considerations must not be allowed to have an undue impact on people and the environment.

## **Priorities**

At Roche, prevention is the key element for all activities, decisions and measures aimed at ensuring safety, health and environmental protection. In this context Roche is also engaged in local and international research projects aiming at a better understanding of the impacts of our business activities.

The principles of risk analysis and risk management (i.e. identification, evaluation, assessment, prevention and reduction of risks) apply to all areas of safety, health and environmental protection.

If a safety, health or environmental risk is deemed unacceptable even after implementation of all technical, organizational and personnel measures, the materials or processes concerned must be replaced, withdrawn or discontinued.

Integrated process optimization regarding environmental impacts takes precedence over the end-of-pipe treatment of by-products, waste or pollutants. Similarly, the inherent safety of plants and processes has priority over other safety measures.

## Packaging Materials

- Minimize the quantity of packaging materials used for all types of products and operations, without compromising safety and quality
- Choose those packaging materials with favorable properties (eco-balance, safety, potential for re-use and recycling).
- Re-use and recycle packaging materials where possible.

## Waste Management

In the field of waste management and waste disposal, the following principles and procedures in particular are important to us:

- Exhausting all possibilities to avoid and reduce waste in the context of eco-efficiency;
- Treatment of residual waste according to the following priorities:
- recycling to the original starting material, as far as technically, ecologically (in terms of energy expenditure) and economically feasible by;
  1. down-cycling to a lower-value product (eg. Paper to cardboard);
  2. valorization, ie. Processing to a saleable product;
  3. thermal valorization, ie. Incineration with heat recovery (for waste with a high energy content, eg. Distillation residues, inseparable solvent mixtures, etc.);
  4. incineration without heat recovery, ie. Conversion to a mineralised end product;
  5. landfill (whenever possible restricted to mineralised material suitable for final disposal);
  6. Collection of general waste at source for recycling or reuse;
  7. Avoidance of chemical and general waste being mixed;
  8. Supervising proper disposal on site as well as by contractors;
  9. Determination of relevant data by the local Safety and Environment organisation according to local legal requirements and in-house provisions; safekeeping of all relevant documents for an unlimited period;

## ***Environmental Performance***

Roche collects safety, environmental and social information from all facilities on an annual basis. This information is compiled into a global Annual Business Report which outlines performance in a number of areas. The link to the latest Roche Annual Report is: [http://www.roche.com/investors/annual\\_reports.htm](http://www.roche.com/investors/annual_reports.htm)



## Roche Diagnostics Australia Pty Limited

Roche Diagnostics Australia has had a proactive environmental program in place for many years. This program includes site and travel energy efficiency programs and the minimization of waste and water use where possible. We have achieved significant savings in these areas over the last five years.

In regards to product packaging, recycled materials or compostable materials are used where opportunities have been identified. This currently includes cardboard boxes with recycled content and compostable void fill products.

We have a well-established and long standing on-site recycling program for most materials. The following list outlines the materials and equipment currently being recycled:

- Cardboard
- Glass, aluminium and plastic beverage containers
- Paper
- Fluorescent lighting tubes
- Computers
- Mobile phones – Donated or recycled
- Printer and photocopier cartridges
- Wooden and plastic pallets, where possible
- Metal
- Polystyrene
- Freezer bricks.

Regular waste reviews are conducted to ensure additional opportunities to Re-cycle waste are identified and implemented.

Please see the Roche Diagnostics Australia Environment Management Policy on the following page.

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## **Environment Management Policy Roche Diagnostics Australia Pty Limited**

Roche Diagnostics Australia Pty Limited is dedicated to running our operation in a way that minimises the impact on resources, land, water, air, flora and fauna.

Roche strives to be the leader in environmental performance in the diagnostic and pharmaceutical industry. Roche will:

- Allocate appropriate resources to ensure that minimal environmental impact is achieved;
- Optimise plant and processes in order to minimise usage of energy, water and other resources;
- Minimise generation of waste, and minimise the proportion of waste requiring disposal, through actively encouraging the reuse and recycling of waste materials including cardboard and paper, old furniture, metals and glass;
- Meet or exceed Company, legislative and good practice requirements;
- Actively promote values, attitudes and behaviours that will continue to reduce our environmental impact;
- Induct, educate, train, evaluate and supervise employees and subcontractors to ensure that work is conducted in an environmentally friendly manner;
- Document and regularly review processes and procedures for their environmental impact;
- Investigate environmental incidents, and ensure that corrective actions are implemented to prevent recurrence;
- Collect positive performance indicators and incident data, and utilise this information to drive continuous environmental improvement processes;
- Make managers and supervisors responsible and accountable for the impact of their plant and processes on the environment;
- Communicate to employees that they have an obligation to protect the environment, for the benefit of the wider community.

Paul Cray  
Managing Director  
Roche Diagnostics Australia

## ***Schedule for Packaging Review***

### **Domestic Packaging – Tertiary**

Domestic tertiary packaging includes boxes, containers, void fill materials, insulation materials and cooling elements. This packaging is purchased in Australia and is used to transport Roche Diagnostics products to wholesalers and other channels.

The review of domestic packaging will be conducted by total tertiary packaging solution. Each review will cover the external container and all fill materials.

<b>Packaging Type</b>	<b>Review Date</b>
Cool Logistics	November 2012
Ambient product packaging	November 2013
Wholesale delivery packaging	February 2014

### **Imported Packaging – Primary**

Imported primary and secondary packaging include the materials in which individual products are supplied. The design and purchase of this packaging is conducted in Roche global headquarters. The Australian affiliate has minimal influence over the design and purchase of imported packaging materials.

The review of imported packaging will be done by packaging material type, rather than by product due to the high number of products and similarities in design and materials across products.

<b>Packaging Type</b>	<b>Review Date</b>
Refrigeration packs	September 2013
Plastic bottles	April 2014

### **Imported Packaging - Secondary**

<b>Packaging Type</b>	<b>Review Date</b>
Cardboard boxes	May 2013
Cardboard shippers	July 2013



**Roche Diagnostics Australia  
Australian Packaging Covenant Action Plan 2012 – 2014**

<b>Covenant Goal-KPIs</b>	<b>Action</b>	<b>Responsibility</b>	<b>Baseline Data</b>	<b>Target</b>	<b>Timeline</b>
<b>KPI 1:</b> Design – optimise packaging to achieve resource efficiency and reduce environmental impact without compromising product quality and safety	Develop template and process for reviewing packaging against Sustainable Packaging Guidelines	Local Safety and Environment Manager in conjunction with Logistics Manager and Group SHE Manager	Group KPIs	Procedure and documents developed	May 2012
<b>KPI 1:</b> Design – optimise packaging to achieve resource efficiency and reduce environmental impact without compromising product quality and safety	Review all new and existing, local and imported packaging against the Sustainable Packaging Guidelines	Safety and Environment Manager Head Outbound Logistics Packaging supplier (domestic packaging) Corporate packaging personnel (imported packaging)	No packaging has yet been reviewed against the Sustainable Packaging Guidelines	All new and existing packaging to be reviewed	December 2014
<b>KPI 1:</b> Design – optimise packaging to achieve resource efficiency and reduce environmental impact without compromising product quality and safety	Review key Roche suppliers against Safety and Environment guidelines to determine minimum standards are achieved.	Safety and Environment Manager Roche contact Supplier representative	Guidelines have been developed.	Identify and audit all key suppliers	December 2013
<b>KPI 3:</b> Recycling – the efficient collection and	Review current on site recycling programs to	Safety and Environment Manager,	Comprehensive recycling	Documented review of on-site	February 2012



recycling of packaging	ensure all potential recycling opportunities have been identified and implemented	Facilities Manager	program in place	recycling	
<b>KPI 3:</b> Recycling – the efficient collection and recycling of packaging	Develop and implement sustainable purchasing program including a Buy Recycled policy	Safety and Environment Manager, Purchasing Officer	No sustainable purchasing program in place	Sustainable purchasing program developed and implemented	December 2013
<b>KPI 6:</b> Product Stewardship – a demonstrated commitment to product stewardship by the supply chain and other signatories	Complete process commenced with NPC to ensure appropriate packaging is labelled as recyclable	Safety and Environment Manager, Logistics Manager	Some products are labelled as recyclable	products labelled as recyclable	December 2014
<b>KPI 7:</b> Product Stewardship – a demonstrated commitment to product stewardship by the supply chain and other signatories	Complete implementation of reverse logistics program for identified cold chain packaging	Logistics manager	Initial audit completed	Implementation of reverse logistics program	December 2014
<b>KPI 8:</b> Product Stewardship – a demonstrated commitment to product stewardship by the supply chain and other signatories	Business Clean-up day	Safety and Environment Manager, Logistics Manager	No process yet in place	Workplace	December 2014

Note: KPI 4 not possible due to the therapeutic nature of our products