

OT-2 liquid handler meets BACGene

New automation solution for BACGene RT-PCR kits

Real-time PCR solutions like BACGene are used worldwide for the detection of foodborne pathogens, delivering reliable results substantially faster than classic detection methods. The OT-2 liquid handler provides an automation solution for the manual steps of the BACGene workflow, serving as a platform to automate sample input up to the PCR plate preparation:

Sample enrichment and preparation

Lysis plate preparation and transfer

Sample transfer & Thermal Lysis

Lysate transfer to PCR plate

PCR run & analysis



Enhanced Accuracy and Reliability

- Reduction of human error - no repeated training needs
- Increased consistency between runs



Increased efficiency in your laboratory

- More than 2x higher productivity – per sample/hour
- Small footprint to run both lysis and PCR prep – app. 63 x 57 x 66 cm



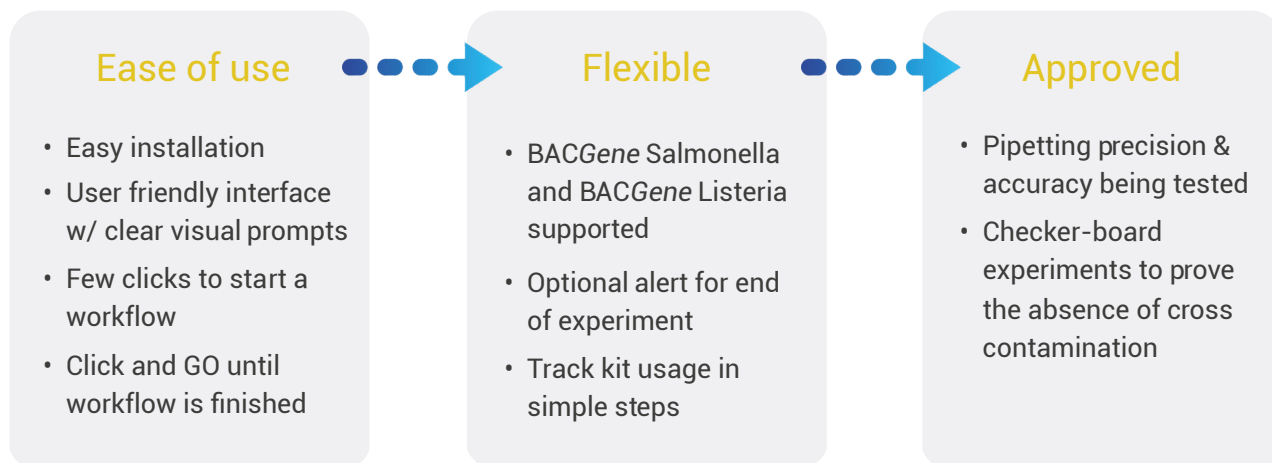
Costs and Resources Optimization

- Price sensitive solution to support an optimized resource planning
- Frees up your technician by approx. 42 min per full plate


Capacity	Sample input volume	Target organisms	OT-2 run time	Hands-on time
96 rxn	2 options	Salmonella & Listeria (simultaneously)	75 min (96 rxn) up to 5 runs per day*	25 min (96 rxn)

* including runs with full plates and hands

Optimize Your Workflow



Your Complete Package

Amount	Name	Product Description	Ordering Details
	OT-2 Starter Package	OT-2 liquid handler including respective modules and pipettes to run BACGene workflow in an automated setup: <ul style="list-style-type: none"> • 2 x Aluminium holder • Heating module including Aluminum holder • Lysis reagent holder • 2 distinct multi-channel pipettes for up to 200 µL and 20 µL volumes 	HU0060910
3x*	P20 – 20 µL tip box (96)	Filter tips for P20 usage	HU0060906
2x*	P300 – 200 µL tip box (96)	Filter tips for P300 usage	HU0060907
1 x	Service Package	Yearly maintenance checks	OT2-PM600

*As an example a mixed full plate (46 samples Listeria + 46 samples Salmonella) will need 199 tips divided into 146x20µL tips in 3 separate tip boxes and 53x200µL tips in 2 separate tip boxes.