



**DuPont Qualicon
BAX[®] System**

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Food testing that's fast, simple, safe

The DuPont Qualicon BAX[®] System offers the accuracy and speed of advanced PCR technology in a format that is safe and simple to use and ideal for routine food testing laboratories.

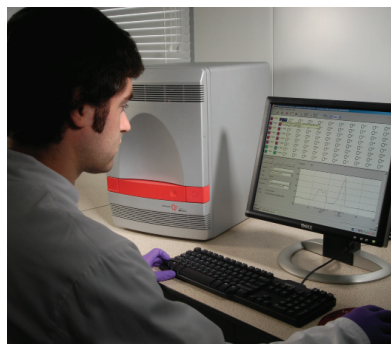
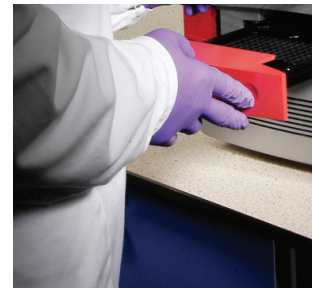
With the BAX[®] System, you can detect a wide range of food pathogens and food quality organisms on the same platform – with reliable results within hours, not days.

You can use the BAX[®] System to test raw materials, finished products and environmental samples to ensure that your processes and products meet your safety and quality expectations at every stage of production.

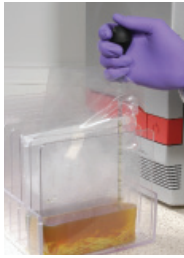
Faster results mean:

- Faster response times
- Faster release of products
- More efficient use of resources

Protect your customers. Protect your business. Protect your reputation – with the BAX[®] System.



So easy to use – anyone can do it



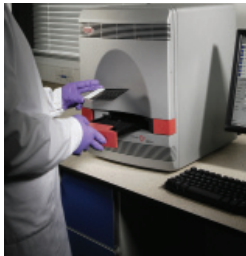
1. Enrich

Prepare samples directly or enrich in the appropriate medium



2. Prepare

Lyse cells to release DNA ready for PCR
Transfer lysates to PCR tubes



3. Process

Load PCR strips into the BAX® System Q7 instrument
Start the run, then walk away



4. Review results

Read the results that automatically appear on screen following detection

Print or store electronically

Ideal for routine food testing laboratories

Safe and simple to use

- Tableted reagents minimize hands-on time and pipetting errors
- Fully automated and contained PCR processing, reduces the risk of operator error and cross-contamination
- Load samples and walk away - frees up operator time for other tasks
- Easy-to-follow screen prompts reduces the likelihood of operator error



Accurate and reliable

- End-point, real-time and reverse transcriptase PCR ensure exceptional reliability and reproducibility
- Carefully designed primers and probes ensure excellent specificity
- Internal positive control for every sample adds reassurance

Fast and efficient

- Same day or next day results for a wide range of targets
- Test for different organisms in a single run – up to 96 samples per batch
- Automated processing frees up technician time for other tasks
- Less than 1 hour hands-on time

Easy to read results

- Qualitative results clearly displayed as  or 
- Eliminates the need for expert interpretation
- Print results or store them electronically
- Quick and easy extraction of data for audit purposes

Wide range of assays

- *Campylobacter jejuni/coli/lari*
- *Enterobacter sakazakii* (*Cronobacter*)
- *Escherichia coli* O157:H7
- *Listeria* spp.
- *Listeria monocytogenes*
- *Salmonella*
- *Staphylococcus aureus*
- *Vibrio cholerae/vulnificus/parahaemolyticus*
- Yeasts and moulds

Peace of mind for food companies

Validated method

The DuPont Qualicon BAX[®] System has been validated for a wide range of food matrices and environmental samples.

The BAX[®] System has received approval, certification and adoption from some of the world's toughest regulatory bodies, including:

- AOAC Official Method
- AOAC Research Institute
- AFNOR
- Brazil MAPA
- China AQSIQ
- Danish Veterinary & Food Administration
- Health Canada
- Japan MAFF
- NordVal
- Russia Rospotrebnadzor
- USDA-FSIS

BAX[®] System Extended Service Agreement (ESA)

Your new BAX[®] System Q7 cycler/detector will come with a fully comprehensive 12-month warranty to protect you in the unlikely even of a system failure. At the end of this period, the BAX[®] System ESA offers the additional assurance you need to provide a continuous food testing service. Our priority is to keep you fully operational.

In the event of a breakdown, a loan instrument will be despatched and installed without delay.

Your system is removed for repair.

Your repaired system is returned and installed - fully operational, checked and ready to go.

In addition to ensuring a seamless service, the BAX[®] System ESA provides:

- 12 months full warranty (including spares)
- software updates, to keep your system up to date with assay additions/system improvements
- unlimited technical support, just an email or phone call away
- a dedicated BAX[®] System specialist on hand to keep you informed of all new developments and enhancements

BAX System 

Assay specific information

DuPont Qualicon BAX® System Assays

For some assays, the enrichment time can be reduced for certain sample types. The shortest and longest enrichment times are shown for each assay; please refer to the BAX® System User Guide for specific protocols.

BAX® System PCR Assay	Oxid order codes	Enrichment	Lysis	PCR	Total time to result
Real-Time <i>Campylobacter jejuni/coli/lari</i>	QB3449C	24-48 hours 0 hours (Direct test)	30 minutes	1.5 hours	26-50 hours 2 hours (Direct test)
Real-Time <i>E. coli</i> O157:H7	QB3648C	7-24 hours	30 minutes	55 minutes	8.5-25.5 hours
Real-Time <i>Vibrio cholerae/parahaemolyticus/vulnificus</i>	QB3877C	16-22 hours	30 minutes	1.5 hours	18-24 hours
Real-Time <i>Staphylococcus aureus</i>	QB2689C	22-48 hours	70 minutes	1.5 hours	25-51 hours
Reverse Transcriptase <i>Listeria</i> species	QB3774C	4 hours*	35 minutes	<3 hours	8 hours
<i>Salmonella</i>	QB0608C	8-29 hours	30 minutes	3.5 hours	12-33 hours
<i>E. coli</i> O157:H7 MP	QB0673C	8-24 hours	30 minutes	3.5 hours <3 hours (Express)	12-28 hours 11.5-27-5 hours (Express protocol)
<i>Listeria monocytogenes</i> 24E	QB8125C	24-28 hours	70 minutes	3.5 hours	29-33 hours
Genus <i>Listeria</i> 24E	QB8135C	24-28 hours	70 minutes	3.5 hours	29-33 hours
<i>Enterobacter sakazakii</i> (<i>Cronobacter</i>)	QB0657C	20-26 hours	30 minutes	3.5 hours	24-30 hours
Yeast & Mould	QB0682C	44 hours 0 hours (Direct test)	30 minutes	3.5 hours	48 hours 4 hours (Direct test)

* Resuscitation period - can be held at 2-8°C for up to 72 hours before lysis.

Culture Media and Diluents for the BAX® System

Prepared media formats, such as bottles, ReadyBags™ and Dry-Bags™, are available for a variety of media. Contact your Oxoid representative for more information.

Organism	Enrichment medium/diluent	Oxid order codes
<i>Campylobacter jejuni/coli/lari</i>	Buffered Peptone Water	CM0509
	Bolton Selective Enrichment Broth	CM0983 + SR0183
<i>E. coli</i> O157:H7	BAX® <i>E. coli</i> O157:H7 MP Broth	CM1076
	Modified Tryptone Soya Broth + Novobiocin	CM0129 + SR0181
<i>E. sakazakii</i> (<i>Cronobacter</i>)	Buffered Peptone Water	CM0509
	Brain Heart Infusion Broth	CM1135
	Modified Lauryl Tryptose Broth + Vancomycin	CM0451 + LP0005 + SR0247
<i>Listeria</i>	24 LEB (24 hour <i>Listeria</i> Enrichment Broth)	CM1107 + SR0243
	24 LEB + 24 LEB Buffer Supplement	CM1107 + SR0243 + BO1204
<i>Listeria</i> (Reverse Transcriptase)	BAX® Environmental Swipes*	QB6702C
	BAX® DV Buffer*	QB3781C
<i>Salmonella</i>	Buffered Peptone Water	CM0509
	Brain Heart Infusion Broth	CM1135
	Lactose Broth	CM0137
	Buffered Peptone Water + Novobiocin	CM0509 + SR0181
	Skimmed Milk Powder	LP0031
	Typtone Soya Broth	CM0129
	BAX® <i>E. coli</i> O157:H7 MP Broth	CM1076
<i>Staphylococcus aureus</i>	Double-Strength Brain Heart Infusion Broth + Sodium Chloride	CM1135 + LP0005
	Giolitti-Cantoni Broth + Tween® + Tellurite	CM0523 + R21276 + SR0030
<i>Vibrio cholerae/parahaemolyticus/vulnificus</i>	Alkaline Saline Peptone Water (ISO)	CM1117
	Phosphate Buffered Saline	BR0014
Yeast & Mould	A variety of liquid yeast and mould media are available and can be used with this assay. See Oxoid product list for yeast & mould media available.	

* must be used with samples being tested with the BAX® System Reverse Transcriptase *Listeria* Assay

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