### 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.

#### Table: BAX® System PCR Assay

<table>
<thead>
<tr>
<th>Organism</th>
<th>Enrichment medium/diluent</th>
<th>PCR Total time to result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campylobacter jejuni/coli/coli</td>
<td>Buffered Peptone Water</td>
<td>30 minutes 1.5 hours 36-48 hours (Direct test)</td>
</tr>
<tr>
<td>E. coli O157:H7</td>
<td>Brain Heart Infusion Broth + Sodium Chloride</td>
<td>30 minutes 1.5 hours 36-48 hours (Direct test)</td>
</tr>
<tr>
<td>E. faecium</td>
<td>Buffered Peptone Water</td>
<td>90 minutes 1.5 hours 48-54 hours (Express protocol)</td>
</tr>
<tr>
<td>Listeria</td>
<td>Buffered Peptone Water</td>
<td>90 minutes 1.5 hours 48-54 hours (Express protocol)</td>
</tr>
<tr>
<td>Staphylococcus aureus</td>
<td>Buffered Peptone Water + Novobiocin</td>
<td>90 minutes 1.5 hours 48-54 hours (Express protocol)</td>
</tr>
</tbody>
</table>

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#### 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.

### Food Testing

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

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 event 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

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