Monitor Microbial Contamination Quickly, Easily, Accurately and Aseptically.

STAPH – Staphylococcus aureus

COLIFORM – Escherichia coli

PSYCHROTROPHIC BACTERIA – Pseudomonas fragi

LISTERIA – Listeria Monocytogenes

QMI ASEXPTIC SAMPLING SYSTEMS

Photographs of bacteria supplied by Dr. Edmund Zottola of the University of Minnesota, St. Paul, MN.
IMPROVE TESTING ACCURACY, REDUCE CONTAMINATION RISKS.

Take action against contamination by effective process monitoring.
THE SAMPLER
UNIQUE, PATENTED...AVAILABLE ONLY FROM QMI

- Sterilized and tested.
- Guide holes for sampling syringes.
- Dust and condensation protection.
- Disposable.
- Made of FDA food contact surface approved materials.

ALSO AVAILABLE IN CONVENIENT KIT FORM
- Unique patented sampling device.
- Kit includes disposable syringes, sterile needles, alcohol wipes, aseptic sampler and dust cover.
- Versatile for all liquid sampling.
- 60cc disposable syringes* provide sufficient sample volume improving accuracy of data.
- Sterilized and tested to maintain aseptic conditions.

*NOTE: Availability of syringes is restricted by law in certain cases. Before ordering, consult your local Board of Health or an attorney for information concerning applicable prohibitions or restrictions in your locality.

THE SYSTEM
EASY TO INSTALL

QMI sampling seats are available for line installations (QMI elbows) and for tanks and other vessels (QMI tank fittings). All sampling seats are constructed of stainless steel with all assemblies tooled for precise fit.

** Line Installations**
Line sampling is best accomplished at an elbow. With the turbulent flow at an elbow, effective and representative sampling is achieved. Also, effective CIP cleaning is achieved when the sampler is located in an elbow.

QMI elbows can easily be installed anywhere along the processing lines. However, they should not be installed on processing lines (pipes) that are subjected to excessive vibration. QMI elbows are available with butt weld or tri-clamp ends. Custom elbows are also available upon request by special order.

**Tank Installation:**
- Insulated Installation
  1. Cut a 4¼” hole in the outer tank wall or door.
  2. Cut a 3½” hole in inner wall directly behind the larger hold.

3. Weld the 4” QMI Insulated Tank Fitting into place.
4. Cut insulated fitting to fit the recessed hole in insulated door or tank.
5. Work smooth and polish.

**Non-Insulated Installation**
1. Cut one 1¾” hole in tank or door.
2. Weld the QMI Tank Fitting into place.
3. Work smooth and polish.
INSTALLING THE ASEPTIC SAMPLER

1. Wash hands thoroughly, then remove the QMI Aseptic Sampler from the packaging by pulling the clear cover apart from the white backing. DO NOT TOUCH the black rubber part of the sampler.
2. Place the QMI Aseptic Sampler in the QMI Fitting.
3. Install the nut on the QMI Tank or Line Fitting and finger tighten firmly. Tighten further with a wrench until rubber protrudes through the hole in the Fitting and is sealed tightly. Caution should be taken to assure that the nut is tightened firmly; however, excessive tightening may damage the aseptic sampler. Generally, hand tighten, then a 1/8th turn of a wrench will provide correct installation.
4. Install dust cover.
5. Replace QMI Aseptic Sampler after the seven guide holes have been used.

EASY TO USE SAMPLING PROCEDURE

1. At desired sampling time, wash hands thoroughly, then remove dust cover.
2. Sanitize sampler outer surface with proper strength sanitizing solution or alcohol prep.
3. Aseptically place needle on syringe.
4. Insert needle through one of the seven unused sampling guide holes. To correctly insert needle, slant the needle slightly toward the center of the sampler.
5. Fill syringe with sample. (Then remove needle for safety.)
6. Conduct laboratory analysis. For incubation procedures, the sample may be transferred to sterile sample container or incubated in the syringe.
7. Replace QMI Aseptic Sampler after seven samples have been taken.
GET THE QMI ASEPTIC SAMPLING SYSTEM...FOR IMPROVED PROCESS SAMPLING AND ACCURATE TEST RESULTS.

Microbial contamination can occur at any time...in any processing plant. When it happens to you, it can seriously affect the quality and safety of your product and the profitability of your business. That's why continuous monitoring is so important.

The effectiveness of any process monitoring program is only as good as the quality of the samples. That's where the QMI Aseptic Sampling System comes in. Only QMI has the unique, patented, aseptic sampler that provides for aseptic process sampling while virtually eliminating the risk of introducing new contaminants to your product, process or sample. In addition, the QMI system will provide accurate documentation for Hazard Analysis Critical Control Point (HACCP) Quality Assurance Programs or any Quality Assurance Program.

Samples obtained by the QMI system, along with proper laboratory incubation and analysis, can help you monitor for and determine the source of microbial contamination, including:
- malfunctioning valves,
- airborne contaminants,
- cracked tanks,
- ineffective pasteurization,
- ineffective cleaning procedures,
- etc.

Contact Darrell Bigalke with your aseptic fluid transfer questions. Email: Darrell@qmisystems.com Tel: 651-501-2337
QMI ASEPTIC SAMPLING SYSTEMS.

Listed below are descriptions and part numbers of in-stock QMI aseptic sampling items.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PART NO.</th>
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<tbody>
<tr>
<td>QMI Aseptic Sampler</td>
<td>7027</td>
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<td>QMI Sampler Kit (60cc)</td>
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<td>60cc Syringe</td>
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