

The Gazette

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SAVING TIME AND CONTAMINATION RISK REDUCTION FOR THE MICROBIAL ENVIRONMENTALIST

The aspirating head of the microbial air samplers is an important part of the protocol for the Environmental Monitoring (EM) concerning the “Risk Management” (RM) and the “Contamination Control Strategy” (CCS).

The sterility of the sampling head is fundamental for a correct EM procedure.

The sterile “DAILY SHIFT” aspirating head with a triple irradiated packaging reduces the risk of contamination during the manipulation (with the consequent false positive results) and avoids the issue of in-house sterilisation certificate of sterilization.

The elimination of the cost in house autoclaving, the availability during periods of unusual laboratory heavy workloads, the semitransparency to see the culture plate inside the aspiration chamber, the risk reduction of false positive are an ideal solution for the busy personnel involved in EM.

The “Daily Shift” are manufactured by a thermopolymer resin that is very stable and has not negative static charge thanks to its anti-static characteristics. Each head is automatically controlled by a laser to guarantee holes dimensions and avoid occlusions.



Ask for “DAILY SHIFT” samples and copy of sterilization certificate to ORUM International.

QUESTIONS FOR A CLEANROOM ENVIRONMENTAL MICROBIOLOGIST

- Are you interested to avoid false positive results?
- Are you interested to avoid the sterilisation of the stainless-steel aspirating head?
- Are you interested to avoid the preparation of the autoclaving sterilisation certification?
- Are you interested to have available ready to use aspirating head in case of unusual laboratory heavy workloads?
- Are you interested to invest your time in more useful and important laboratory activity?
- Are you interested to simplify your daily routine?
- Are you interested to present to the regulatory inspector a correct sterilisation certificate?

QUESTIONS FOR AN INDUSTRIAL ENVIRONMENTAL MICROBIOLOGIST (Food, Dairy, Agro, Beverage, Cosmetic, HACCP, HVAC)

- Are you interested to facilitate your activity on the field?
- Are you interested to avoid false positive results?
- Are you interested to avoid the sterilisation of the aspirating head?
- Are you interested to have a longer shelf-life of your products with a regular monitoring of the production and warehouse?
- Is under control the HVAC (Heating, Ventilation, Air conditioning System)?

QUESTIONS FOR A HOSPITAL AND HEALTHCARE MICROBIOLOGIST

- Are you interested to reduce risk of contamination in operating theatre?
- Are you interest to educate the new personnel to the practical basics of bio-aerosol monitoring in risk areas?

DAILY SHIFT HEAD

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Sterile aspirating head for TRIO.BAS air samplers to be used several times during a daily operation shift.



90 mm PETRI DISH (CODE 341)

55 mm CONTACT DISH (CODE 340)



DAILY SHIFT IN DOUBLE BAGS



OPENING FIRST BAG



OPENING SECOND BAG

DESCRIPTION

- The sterile Daily Shift aspirating heads (DSH - sterile Daily Shift Head) avoid the sterilization process necessary for stainless steel aspirating heads.
- The sterilization is proven by an official certificate. This document is requested by regulatory authorities.
- The double irradiated sterile packaging allows the users to always have aspirating heads ready for use.
- The transparency of the sterile Daily Shift is useful for verifying the culture plate is inserted correctly in the aspirating chamber.
- Main customers for sterile Daily Shift heads are: agro-food industries, dairy, catering, HACCP, beverage, cosmetic, sewage treatment plants, outdoor environments, primary and secondary schools, pharmaceuticals, cleanrooms, biotech, hospitals, clinics, microbiological labs, HVAC building monitoring, environmental labs, healthcare ambient monitoring, health authorities.
- They are suitable for all TRIO.BAS air samplers.
- Shelf life: 6 years from the date of sterilization.

Stainless steel Aspirating Head(s) of air samplers must be sterilized daily by autoclaving

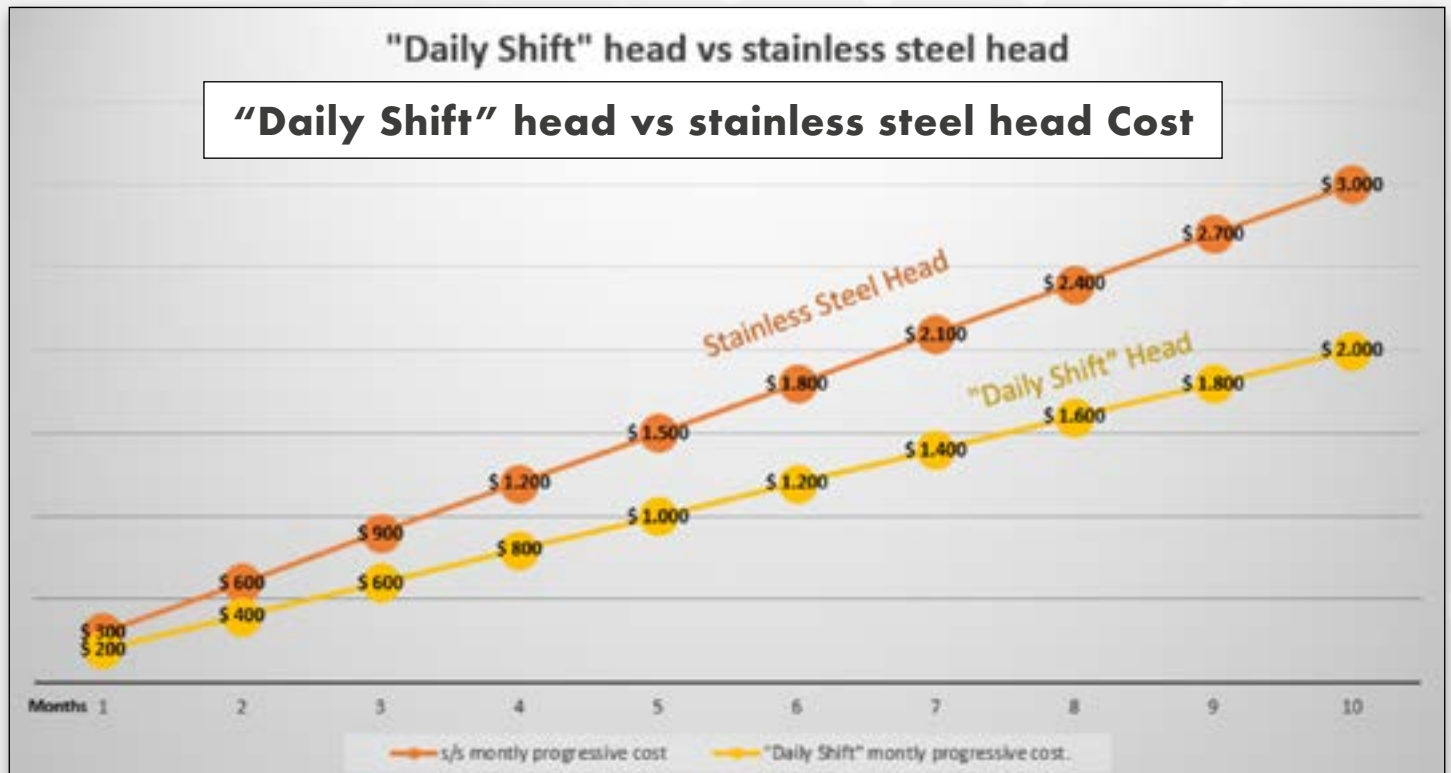
IDENTIFICATION CODES

| CODE | STERILE ASPIRATING HEAD |
|------|---|
| 340 | Sterile Daily Shift Aspirating Head for Contact plate 55 mm - in double sterile bag |
| 341 | Sterile Daily Shift Aspirating Head for Petri 90 mm plate - in double sterile bag |

BENEFIT TO ADOPTING "DAILY SHIFT" ASPIRATING HEAD

- The double irradiated packaging reduces the risk of contamination during manipulation
- A daily certificate of sterilization is requested by regulatory authorities as part of the usual auditing process
- The use of DAILY SHIFT aspirating heads eliminates the cost of in house sterilization and the task of preparing the certificate of sterility
- DAILY SHIFT heads allow time savings during periods of unusually heavy workloads
- DAILY SHIFT heads are semitransparent to see the culture plate inside the aspiration chamber

Stainless steel Aspirating Head(s) must be sterilized daily by autoclaving



Why adopt the “Daily Shift” Head?

Take a look at the involved processes
(one daily operative shift in Cleanroom)

STAINLESS STEEL ASPIRATION HEAD
90mm PETRI DISH - 55mm CONTACT DISH



Stainless Steel: Autoclavable, same lifetime of the air sampler, used for official calibration of the instrument and included in the standard kit.

DAILY SHIFT ASPIRATION HEAD
90mm PETRI DISH - 55mm CONTACT DISH



Ready to use in the cleanroom: Double single packaging and certificate of sterilization.

STAINLESS STEEL HEAD vs READY TO USE HEAD COSTS COMPARISON

| A | B | C | D | E |
|----------|------------|-----------------------|------------------------------|-------------|
| Cleaning | Protection | Sterilization process | Certificate of sterilization | Doc storage |

STAINLESS STEEL HEAD

DAILY TOTAL COST
A+B+C+D+E=
2\$+1\$+3\$+5\$+4\$= **\$15***

**based on average cost (calculated in \$) of operator's labor and time to perform disinfection and documentation*

READY TO USE HEAD

DAILY COST
READY TO USE HEAD
+ (E) =
8\$+2\$ = **\$10***

**based on average cost (calculated in \$) of aspirating and operator labor and time*

| STAINLESS STEEL HEAD | DAILY SHIFT HEAD |
|-------------------------------------|-------------------------------------|
| \$15 x 20 Working Days = \$300 | \$10 x 20 Working Days = \$200 |
| \$300 x 10 Working Months = \$3.000 | \$200 x 10 Working Months = \$2.000 |

CONCLUSION: “DAILY SHIFT” heads allow to save money (e.g. \$1,000 in one year). It is always convenient to keep them in case of sterilization document inspection.

DAILY SHIFT HEAD

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- Irradiated and triple packed for use in critical cleanroom, RABS and ISOLATORS.
- Individually labeled in class 7 cleanroom.
- Allow a full traceability throughout the whole supply chain.

STERILE "DAILY SHIFT" HEAD PACKAGING

