interscience

THE APPLI'NEWS
October 2023

THE APPLICATION QUESTIONS

Question n°1 :

*"What **types of Petri dishes** can be used with the **ScanStation**?"*

The **ScanStation** can be used with **90mm Petri dishes**, as well as **65mm and 55mm** ones (**with adaptors**). All these dishes are **tested and verified** with **ScanStation** clamps at the **factory** and during **installation**.

Points to consider:

- The **ScanStation** clamps can take dishes (either the dish or the lid) with a diameter between **85 and 96 mm**.
- It's important for the customer to inform us if there's a **change in the Petri dish**, as **recalibration** may be necessary.
- For **65mm or 55mm dishes**, adapters can be used. In this case, please **notify the R&D department** in advance so they have time to manufacture them (**even for trials).**
- Please note the **ScanStation** is **not compatible with Merck Milliflex filtration cassettes** used for environmental control (these cassettes are too tall).
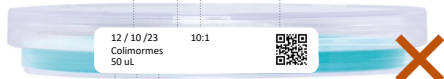
Question n°2 :

*"What **types of labels** can be used with the **ScanStation**?"*

The **ScanStation** can read labels with a **barcode** or a **Datamatrix** stuck to the side. However, please be aware that when labels are **manually applied to the side and then repositioned**, they may leave adhesive residue on the dish and on the clamp, which can subsequently lead to **box drops**.

Correct label positioning

Incorrect label positioning

Question n°3 :

*"What were the outcomes of the **conference on phage counting** with our **Scans**?"*

As mentioned in the previous Appli'News, we made a presentation on **phage counting with our Scan counters** at the **Microbes** convention. Following this presentation, we learned that the **regulations for potability water quality analysis**, **ISO 10705-2**, had recently **changed**. Laboratories are now required to **quantify somatic coliphages** using the reference method, which is **lysis plaques counting on double-layer agar**.

Question n°4 :

*"My customer **cannot find their strain or antibiotic in the Scan 4000's list**. What should they do?"*

If they **cannot find their strain or antibiotic**, it means that one or the other **is not included in the standard**. Therefore, they need **to create their own list of antibiotics/antibodies with their respective tolerance thresholds**. They should enter this list in the **Excel file "antibiotics_list_CUSTOM.csv"** located in the **Scan** software folder (see Manual, 5.6 Antibiotics_list_CUSTOM.csv file modification). Once this is done, when choosing the standard, they should select the "**my data**" option.

File extract "antibiotics_list_CUSTOM.csv"

		Default	Bacterium 1	Bacterium 2	Bacterium 3	Bacterium 4
AT1	Antibiotic 1	12---15	10---15	/	/	12---17
AT2	Antibiotic 2	14---18	/	/	15---15	14---22

Question n°5 :

*"Is it possible to **use the 'PCA / TSA medium' Scans setting** with other **non-selective media**, or should customized media be used?"*

Indeed, for the **Scans** range, it is possible and even **recommended to use the 'PCA / TSA medium'** setting even with other non-selective media, if it resembles PCA / TSA medium. In most cases, this setting will work, avoiding counting errors due to sensitivity changes. If, however, this setting doesn't work, then customized parameters should be selected. For the export, it is the **name of the setting** that will be traced, not the medium and associated lighting. **Please note** that the "PCA / TSA medium" setting is **different on the ScanStation**.