

Instruction for Using the Regeneration Kit

1. 1. Introduction

This document provides instructions how to use the regeneration kit on various Novasina water activity meters. Please follow given the instructions step-by-step. Start with browsing to the respective section, where the instructions for your water activity meter is listed

2. Technical requirements

Aside of your water activity meter, you need:

- Regeneration Kit, Novasina part number **2601962**
- The SAL-T standard you normally use for verification purpose

3. Procedures

The procedure for each Novasina water activity meter is listed below. Just use the instruction given for your meter.

NOTE: Possible, installed chemical filters must not be removed during regeneration procedure.

3. 1. LabMaster-aw neo / LabMaster-aw basic, standard, advanced

- Place the regeneration kit into to chamber whenever you do not use the instrument.
- Perform a regeneration cycle after measuring critical products like spices (especially clove, cardamom, garlic, pepper, oregano) or overnight or over the weekend
 - *After critical sample:* Place the regeneration kit into the sample holder and close the chamber. Heat the chamber up to 50°C and let the kit in there for 2-3 hours maximum
 - *Over the night/ over the weekend:* Place the regeneration kit into the sample holder; close the chamber. Heat the chamber up to 40°C. and let the kit in there overnight or over the weekend
- Once regeneration is done, change temperature to 25°C, let the system cool down, open it and remove the regeneration kit
- Perform a verification and if it fails, proceed with calibration as per your specific operating procedure

3. 2. LabTouch-aw

- Place the regeneration kit into to chamber whenever you do not use the instrument.
- Perform a regeneration cycle after measuring critical products like spices (especially clove, cardamom, garlic, pepper, oregano) or overnight or over the weekend
- Place the regeneration kit into the sample holder and close the chamber. Heat the chamber up to 32-35°C and let the kit in there for the entire regeneration procedure
- Once regeneration is done, change temperature to 25°C, let the system cool down, open it and remove the regeneration kit
- Perform a verification and if it fails, proceed with calibration as per your specific operating procedure

Instruction for Using the Regeneration Kit**3. 3. LabSwift-aw and LabStart-aw**

It is possible to use the regeneration kit with the LabSwift-aw and LabStart-aw. However, due to the lack of temperature control, the efficiency of the regeneration at room temperature is quite low. If possible, put the instrument in an oven at 30-40°C and proceed with regeneration.

- Place the regeneration kit into to chamber whenever you do not use the instrument
- Perform a regeneration cycle after measuring critical products like spices (especially clove, cardamom, garlic, pepper, oregano) or overnight or over the weekend
- Place the regeneration kit into the sample holder, close the chamber and let it there for the entire regeneration procedure
- Once regeneration is done, open the chamber and remove the regeneration kit
- Perform a verification and if it fails, proceed with calibration as per your specific operating procedure

4. Exchange Intervall

There is no visual indication of a saturated regeneration kit. Thus, there are two ways how to set an exchange interval.

1. Exchange the regeneration kit if you replace the chemical protection filter. As a rule of thumb, you can use the following guideline:
 - If you do less or equal than 10 measurements a week, change regeneration kit (and filter) every 6-12 months
 - If you do more than 10 measurements a week, change regeneration kit (and filter) every 3-6 months
 - If instrument is in use, day and night, change regeneration kit (and filter) every 2 months
2. Organoleptic check:
 - Before placing the regeneration kit into the chamber, verify if the kit smells like the samples you measure (spices etc). If yes, replace the kit.