

Instruction for Using the Regeneration Kit

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. Make sure the instrument is switched on
- 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. Make sure the instrument is switched on
- 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

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 Intvall

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.