

# CAMAG Derivatizer – Preparation, reagent transfer and cleaning

## Preparation



Select the tray size according to the plate dimension and attach the corresponding hood.



low  $\xrightarrow{\text{Viscosity of the derivatization reagent}}$  high  
 Green < Blue < Yellow < Red

Choose an appropriate nozzle.

The colors correspond to the porosity of the nozzle which should be adjusted to suit the properties of the reagents such as the viscosity. See CAMAG's recommendation in the manual for tested reagents.

For potassium hydroxide containing reagents and for potentially aggressive reagents not listed in the manual the chemically resistant Ultra nozzles are recommended.



short  $\xrightarrow{\text{Spraying time}}$  long  
 Level 6 < 5 < 4 < 3 < 2 < Level 1

Plug the nozzle and select the spraying level.

See CAMAG's recommendation for suitable spraying levels.

Best homogeneity is achieved when the spraying takes 3 - 5 min. In any case, the spraying time has to be adjusted to < 10 min.

Make sure the nozzle is dried and clean outside and inside. **Perform the cleaning procedure when necessary or when changing spraying reagent.**

## Reagent transfer



Insert the plate with the solvent front facing the front of the instrument and lower the hood.



Fill the recommended volume of reagent into the nozzle and immediately start the spraying process.

Do not leave the reagent in the nozzle as this could cause unwanted dripping.



Wait until reagent has been sprayed, has settled on the plate, and the remaining reagent has been pumped out of the chamber.

The process is finished when the hood light turns green.



Lift the hood and remove plate.

Perform the cleaning procedure when necessary or when changing spraying reagent.

## Cleaning



Empty the nozzle, if necessary, and insert a filter paper instead of a TLC/HPTLC plate and perform a spraying procedure with 2 mL of cleaning solution (level 6).



After spraying the settling time can be skipped by pressing the start button so that the process moves forward to the pumping step.



When necessary or when changing the reagent rinse the tip of the nozzle and the inside of the reagent container with (tap) water, ethanol or cleaning solution.

Do not rinse the entire nozzle as this might harm the electrical connection.

Make sure that the nozzle has dried thoroughly before next use.



The hood and the tray can be **cleaned manually**.

When necessary, remove nozzle and tray seal and wash both parts in the dishwasher at **maximum 55 °C**.