

# connected titration

3S Reagents\* for safer and more reliable  
Volumetric Titrations

## Connect Your Lab

3S - Safe Smart Secure - Intelligent Packaging protected with originality seal and RFID, enabling automated data transfer between reagent and titration instrument. Intelligent communication for improved convenience and data transfer.

Secure information transfer – RFID-based transfer of reagent data to instrument software for elimination of human errors

## safe

Safe chemistry handling - minimized risk of contamination through contact-free reagent exchange

## smart

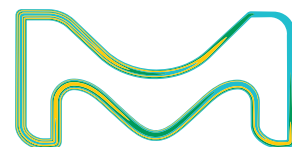
Smart connection of chemical consumables - communication between 3S cap and instrument software via RFID and visual status indicator on the system

## secure

\*Compatible with Metrohm OMNIS Titration Platform through 3S Adapter Technology



**3S** safe  
smart  
secure



# Titration on the next level

## What is 3S?

- Ready-to-use volumetric solutions sealed with 3S cap
- RFID chip on the cap with complete information about the content of the bottle
- Absorber cartridge integrated in the cap, filled with appropriate absorber material

## Benefits for you

- RFID-based identification of reagent – automated and error-free data transfer
- Complete traceability of the analyses provided
- Aspiration tube already integrated in the bottle
- Unique opening procedure minimizes risk of contamination



## Product Overview

Cat. No.	Description	Packaging
1.50677.1000	Hydrochloric acid solution (HCl 0.1 mol/L)	1 L
1.50696.1000	Hydrochloric acid solution (HCl 1.0 mol/L)	1 L
1.50691.1000	Sodium thiosulfate solution (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 0.1 mol/L)	1 L
1.50692.1000	Sulfuric acid solution (H <sub>2</sub> SO <sub>4</sub> 0.25 mol/L)	1 L
1.50689.1000	Silver nitrate solution (AgNO <sub>3</sub> 0.1 mol/L)	1 L
1.50695.1000	Perchloric acid solution in glacial acetic acid (HClO <sub>4</sub> 0.1 mol/L)	1 L
1.50690.1000	Iodine solution (I <sub>2</sub> 0.05 mol/L)	1 L
1.50693.1000	Cerium(IV) sulfate solution (Ce(SO <sub>4</sub> ) <sub>2</sub> 0.1 mol/L)	1 L
<b>NEW</b> 1.50705.1000	Sodium hydroxide solution (NaOH 0.1 mol/L)	1 L
<b>NEW</b> 1.50706.1000	Sodium hydroxide solution (NaOH 1 mol/L)	1 L
<b>NEW</b> 1.50711.1000	Titriplex III solution (EDTA-Na <sub>2</sub> 0.1 mol/L)	1 L

## How to use

- Remove tamper evident ring and push down to open
- Connect with a single hand movement to the Omnis liquid adapter
- Automated transfer of reagent data to the method



OMNIS  
A WHOLE NEW LEVEL OF PERFORMANCE

## Metrohm's New Multi-Method System

- Modular platform for wet chemical analysis
- Analysis of several chemical parameters enabled on a single platform
- Scale up from stand-alone manual instrument to powerful robotic system, enabling simultaneous work at up to four stations

For more information, please visit [omnis.metrohm.com](https://www.omnis.metrohm.com)

For more information, please visit [SigmaAldrich.com/3S](https://www.sigmaldrich.com/3S) and watch our **instructional video!**

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