

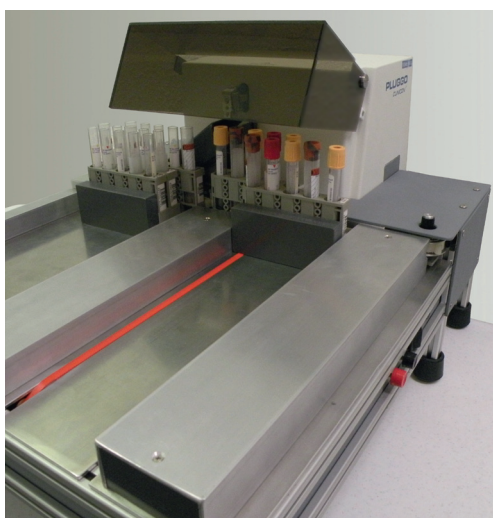
Pluggo Decapper

Automated decapping of sample tubes

Although the job appears to be simple enough, removing the cap from an evacuated blood sample tube can be a demanding task. The repetitive action of manually removing the caps can cause fatigue and bring on chronic symptoms, such as Carpal Tunnel syndrome. Aerosol spray during cap removal can be dangerous for your employees and can lead to contamination of the specimen; even cross contamination. If tubes are left open for an extended period of time, there is an even greater risk of altering the specimen through contamination, oxidation, or evaporation. Transporting open tubes through the lab is equally detrimental to the integrity of the specimen.

These problems can be minimized by automatically decapping specimens as close to the analyzers as possible. Our decappers are compact, efficient, and cost effective bench top instruments that can be easily located next to the analyzer. Potential personnel health issues and specimen problems are reduced simultaneously, and the quality of your Pre-Analytical processes can be noticeably improved.

PLUGGO RH - Decapper with rack handling



Our Pluggo RH decapper is a compact bench-top device that safely and efficiently removes original caps from blood specimen tubes. Tubes in an analyzer rack are put in the inlet channel; tubes stay in the rack during decapping. The inlet channel holds up to 15 racks that are automatically processed. Racks with tubes that have been decapped are pushed into the outlet channel. Removed caps are guided to an outlet for collection of bio-hazard disposal with a detachable chute.

Pluggo RH processes tubes with pull caps only. It is designed for 100 mm tubes. Smaller tubes can be handled by means of an adapter tube which stays in the rack during analysis. RH models for 75 mm only tubes are available on request.

Pluggo RH reduces the possibility of Repetitive Strain Injury and combines safety and simplicity of operation with efficient and hygienic tube handling for laboratory staff. Occupying a minimum of bench space, Pluggo RH can process nearly fifty tubes per minute and always keeps up with following process steps. The use of Pluggo RH helps resolving bottlenecks in the Pre-Analytics and supports the uninterrupted supply of analytic areas with specimens.

Simple operation

Using the Pluggo RH is remarkably easy: place the racks in the inlet channel and press the START button. The Pluggo RH operates fully automatically and unattended. More racks can be added to the inlet channel or removed from the outlet channel at any time without stopping the instrument.

Robust design

Pluggo RH's robust and simple design guarantees high reliability and uptime. Daily maintenance is minimal, consisting only of the routine cleaning job.

Available for the following rack types*:

Roche Cobas® /Hitachi
Abbott Architect™
Beckman (Olympus) AU
Siemens Centaur ® XP
Iris/Sysmex

Technical Data	
Capacity	Up to 15 racks each for input and output
Supported sample tubes	Tubes with pull caps e.g. BD Vacutainer™, GBO Vacuette™, more
Processing speed	Over 2.000 tubes per hour
Dimensions W x H x D	560 x 610 x 360 mm
Weight	23 kg
Supply voltage	230V 50Hz / 110V 60Hz
Power consumption	40 VA

*other rack types are available on request

PLUGGO RHs - Decapper



Our Pluggo RHs decapper safely and automatically removes original caps from vacuum sample tubes. Analyzer racks filled with tubes are placed in the inlet channel and are manually forwarded to the decapping station. The device processes one rack at a time. The tubes stay in the racks during decapping. Removed caps are guided to an outlet for collection of biohazard disposal with a detachable chute.

Pluggo RHs processes tubes with pull caps only. It is designed for 100 mm tubes. Smaller tubes can be handled by means of an adapter tube which stays in the rack during analysis. RHs models for 75 mm only tubes are available on request.

The simple design guarantees a high reliability, minimal service requirements, and the easiest of use. The Pluggo RHs is designed specifically to be a compact and reliable alternative for labs where the throughput is too small to require complete automation yet large enough where manual decapping could be a strain on personnel.

Available for the following rack types*:

Roche Cobas® /Hitachi
Abbott Architect™
Beckman (Olympus) AU
Iris/Sysmex
Hamilton
Tecan
DiaSorin ETI-Max

Technical Data	
Capacity	1 rack
Supported sample tubes	Tubes with pull caps e.g. BD Vacutainer™, GBO Vacuette™, more
Processing speed	Over 2.000 tubes per hour
Dimensions W x H x D	410 x 410 x 310 mm
Weight	12,7 kg
Supply voltage	230V 50Hz / 110V 60Hz
Power consumption	36 VA

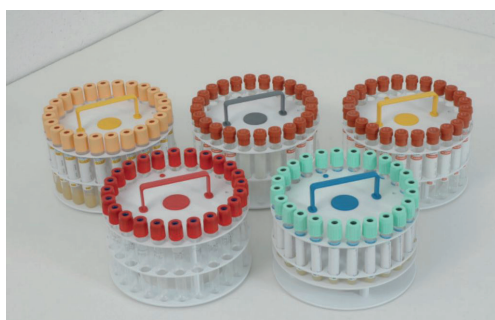
*other rack types are available on request

PLUGGO Standard



Our PLUGGO Standard decapper is an automated system for the safe removal of original stoppers from vacuum tubes. It processes tubes with pull caps and is a carousel based automated bench-top device that handles all standard vacuum collection tubes.

PLUGGO reduces the possibility of Repetitive Strain Injury and combines safety and simplicity of operation with efficient and hygienic tube handling for laboratory staff. Occupying a minimum of bench space, PLUGGO can process nearly fifty tubes per minute. Tubes are loaded into a twenty-four position carousel which is placed in PLUGGO's covered sampling compartment. The caps are guided to an outlet for collection of biohazard disposal with a detachable chute.



Carousels are available for the following tube sizes:

Color	Tube size	Volume
Blue	13 x 75 mm	5 ml
Red	13 x 100 mm	7 ml (short)
Gray	16 x 75 mm	7 ml (long)
Yellow	16 x 100 mm	10 ml

Technical Data

Capacity	Up to 24 samples in each carousel
Supported sample tubes	Tubes with pull caps e.g. BD Vacutainer™, GBO Vacuette™, more
Processing speed	30 seconds per carousel
Dimensions W x H x D	270 x 210 x 430 mm
Weight	9,0 kg
Supply voltage	230V 50Hz / 110V 60Hz
Power consumption	60 VA

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ASP is your professional partner for efficient specimen handling in the Pre- and Post-Analytical stages in clinical labs. We deliver the automation and expertise to improve your processes and throughput in the most cost efficient way. From consultation to the installation and ongoing maintenance of state of the art specimen handling instruments we consistently support our clients in optimizing their Pre- and Post-Analytical operations.