

Reagents on the cobas t 511 and cobas t 711 coagulation analysers

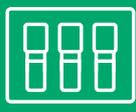
Making innovation your routine



Walk-away reagent management

Fully automated reagent management

The **cobas t 511** and **cobas t 711** coagulation analysers offer unique walk-away reagent management by fully automating the reconstitution of reagents – when needed – in a standardised and accurate way. This innovative concept greatly increases the ease of use, and eliminates the risk of user error during reagent preparation, which ensures high reagent quality and helps to optimise reagent utilisation. The intelligent scheduling of automated reconstitution is the ultimate enabler of continuous operation and true walk-away time: based on the user's preferred setting, the **cobas t** analysers are capable of starting automated reconstitution when needed, without operator intervention.

	1 Entry	2 Storage	3 Preparation	4 Configuration	5 Reconstitution	6 Unloading	7 New reconstitution
Traditional	 <ul style="list-style-type: none"> • Reagent in vial 	 <ul style="list-style-type: none"> • Storage in separate cooling area 	 <ul style="list-style-type: none"> • Manual removal from storage area • Waiting for acclimatisation to room temperature 	 <ul style="list-style-type: none"> • Manual removal from storage area, loading and setup of reagent 	 <ul style="list-style-type: none"> • Pipetting and swirling • Equilibrating to room temperature 	 <ul style="list-style-type: none"> • Manual unloading of reagent • Manual waste disposal (while system is paused) 	 <ul style="list-style-type: none"> • Manual repetition of preparation, configuration and reconstitution
cobas t 511 / t 711	 <ul style="list-style-type: none"> • Reagent in cassette 	 <ul style="list-style-type: none"> • Cooling system included 	 <ul style="list-style-type: none"> • Automated transportation to upper chamber 	 <ul style="list-style-type: none"> • Automated e-data import via barcode technology • Continuous loading 	 <ul style="list-style-type: none"> • Automated pipetting, swirling and equilibrating to room temperature 	 <ul style="list-style-type: none"> • Automated unloading of reagent • Continuous and automated waste disposal 	 <ul style="list-style-type: none"> • Automated scheduling of reconstitution – Test and vial number – Date and time interval
Benefits	<ul style="list-style-type: none"> • No contamination • No evaporation • Increased on-board stability • Time savings • Potential money savings 	<ul style="list-style-type: none"> • Ease of use • Potential money savings 	<ul style="list-style-type: none"> • No contamination • No evaporation • Increased on-board stability • Time savings • Potential money savings 	<ul style="list-style-type: none"> • Increased walk-away time • Ease of use • Time savings • Potential money savings • Accuracy 	<ul style="list-style-type: none"> • Increased walk-away time • Ease of use • Potential money savings • Accuracy • Safety 	<ul style="list-style-type: none"> • No contamination • No evaporation • Increased on-board stability • Time savings • Potential money savings 	<ul style="list-style-type: none"> • No contamination • No evaporation • Increased on-board stability • Time savings • Potential money savings

Your possible benefits

Quality and reliability

Reduced risk of contamination

Reduced evaporation

Increased onboard stability

Accuracy

Safety

Testing efficiency

Ease of use

Time savings

Potential money savings

Increased walkaway time

Reagent cassette system

Fully automated reagent management

A novel cassette concept delivers the advantages of the **cobas c** packs and **cobas e** packs which have been implemented in many Serum Work Area labs worldwide for many years. The coagulation platform packs contain vials of reagents that are reconstituted by the instrument without any involvement from staff. The instrument pierces the vials, reconstitutes the formula in the reconstitution chamber, adds dis-tilled water, then mixes everything in the correct way, without the risk of manual error. Inside the analyser, reagents in use are kept in one area of the machine, and automatically moved to a separate area for disposal once used up.



Your possible benefits

Handling	Reliability
Easy continuous loading and unloading	Reduced evaporation
	Reduced risk of contamination
Capacity	Increased on-board stability
Up to 34,200 tests on board	
Necessity to load reagents only once every two weeks*	

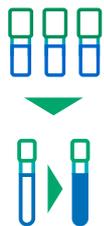
*based on typical workload of an XL Coag Lab

Automated reagent reconstitution

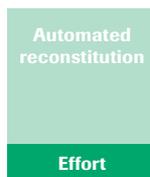
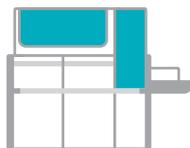
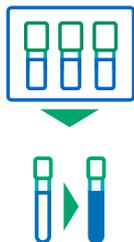
Fully automated reagent management

The amount of effort involved in manual reconstitution is now reduced as the reconstitution process is executed automatically by the analyser. But automation goes beyond the actual reconstitution step. Reconstitution can also be automatically scheduled by the analyser leading to a true walk-away reagent management.

How labs are managing the reagent reconstitution manually



Currently laboratories are handling the coagulation reagents in vials. They are requested to either manually reconstitute lyophilised reagents or handle liquid reagents. In both cases there is manual involvement required from the user which could lead to errors.

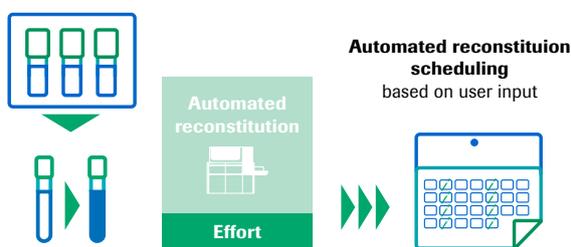


The **cobas t 511** and **cobas t 711** coagulation analysers use cassettes as reagents. The operator does not come into contact with the vials. The cassette is automatically handled by the system. Except for loading the cassettes, no manual intervention needed anymore in reagent handling. The **cobas t 511** and **cobas t 711** coagulation analysers ensure that all the needed reagents are ready to use leading to an uninterrupted and constant supply of reagents.

Scheduling of automated reconstitution

Fully automated reagent management

Learn how intelligent scheduling of automated reconstitution can maximise your walk-away time



The analyser will trigger the next reconstitution only when it is needed based on the input given (and customised) by the user. The scheduling of reconstitution is based on:

- Number of tests
- Number of vials
- Specific date and time intervals

Your potential benefits

Standardisation

Ease of use that translates into time savings

Elimination of the human error that translates into potential money savings

Fully automated reagent management

Three different ways to schedule reconstitution

According to number of tests

Specific date and time interval (ideal for tests that are batched)

Number of vials

Assay overview

Fully automated reagent management

The following table lists assays that are currently available on the **cobas t 511** and **cobas t 711** coagulation analysers.

Assays						Platform availability	
Available assays	Material name	Material number	Configuration	Type	Number of tests per kit	cobas t 511	cobas t 711
PT	PT Rec	07153414190	Cassette (3 vials)	Ready to use	354	✓	✓
	PT Owren	06500781190	Cassette (3 vials)	Ready to use	255	✓	✓
aPTT	aPTT	07153589190	Cassette (3 vials)	Ready to use	600	✓	✓
	aPTT Screen	07153716190	Cassette (3 vials)	Ready to use	600	✓	✓
	aPTT Lupus	07153678190	Cassette (3 vials)	Ready to use	600	✓	✓
Fibrinogen	Fibrinogen	07153473190	Cassette (3 vials)	Ready to use	210	✓	✓
	PT Derived Fib	07153414190	Cassette (3 vials)	Ready to use	354	✓	✓
Thrombin Time	TT	06503535190	Cassette (3 vials)	Ready to use	100	✓	✓
Antithrombin	AT	07430035190	Cassette (1 vial)	Ready to use	100	✓	✓
Free Protein S	Free Protein S	07887892190	Cassette (1 vial)	Ready to use	120	✓	✓
Lupus Screen	Lupus S	06504183190	Cassette (3 vials)	Ready to use	60	✓	✓
Lupus Confirm	Lupus C	06504787190	Cassette (3 vials)	Ready to use	60	✓	✓
Factor II	FII	06660584190	Cassette (3 vials)	Ready to use	54	✓	✓
Factor V	FV	06660614190	Cassette (3 vials)	Ready to use	54	✓	✓
Factor VII	FVII	06665870190	Cassette (3 vials)	Ready to use	54	✓	✓
Factor VIII	FVIII	06660673190	Cassette (3 vials)	Ready to use	45	✓	✓
Factor X	FX	06665292190	Cassette (3 vials)	Ready to use	54	✓	✓
Anti-Xa	Anti-Xa	08083576190	Cassette (1 vial)	Ready to use	100	✓	✓
D-Dimer	D-DI2	07429410190	Cassette (1 vial)	Ready to use	100	✓	✓
Protein C Chromogenic	Protein C Chrom	06660525190	Cassette (1 vial)	Ready to use	42	✓	✓
von Willebrand Factor Activity	vWF Act	08250243190	Cassette (1 vial)	Ready to use	100	✓	✓
HIL Test	HIL Test	07470045190	Cassette (2 vials)	Ready to use	2,300	✓	✓

Assays under development*

Thrombophilia

Protein S Clotting

Factor deficiency

FIX, FXI, FXII, FXIII

vWD

vWF Ag

DOACs

Apixaban, Rivaroxaban, Dabigatran

*Configuration of kits to be defined

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Charles Avenue, Burgess Hill, West Sussex, RH15 9RY. Company Registration Number: 571546.

Date of Preparation: September 2020.

Material Number: MC-IE-00892.

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