

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

Making innovation your routine

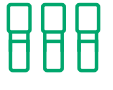






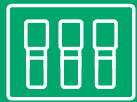








Walk-away reagent management

Fully automated reagent management

The **cobas t 511** and **cobas t 711** coagulation analyzers offer unique Walk-Away Reagent Management by fully automating the reconstitution of reagents – when needed – in a standardized 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 optimize reagent utilization. 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** analyzers 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 acclimatization 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 & 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 & automated waste disposal 	 <ul style="list-style-type: none"> • Automated scheduling of reconstitution – Test & vial number – Date & 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 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 walk-away time

Reagent cassette system

Fully automated reagent management

A new reagent cassette concept delivers the advantages of the **cobas** c-packs and e-packs, which are implemented in many Serum Work Area labs worldwide since 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 water, then mixes everything in the correct way, without the risk of manual error. Inside the analyzer, reagents in use are kept in one area of the machine, and automatically moved to a separate area for disposal once used up.



Your 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

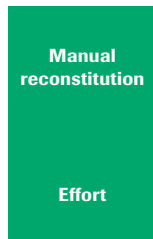
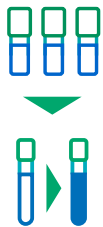
Automated reagent reconstitution

Fully automated reagent management

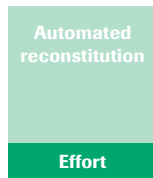
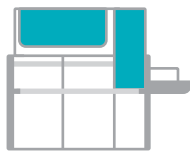
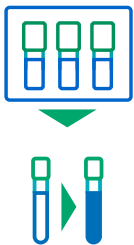
The amount of effort involved in manual reconstitution is now eliminated since all the reconstitution process is executed automatically by the analyzer. But automation goes beyond the actual

reconstitution step. Reconstitution can be also automatically scheduled by the analyzer leading to a true walk-away reagent management.

How labs are managing the reagent reconstitution manually



Currently Labs are handling the coagulation reagents in vials. They are requested to either manually reconstitute lyophilized reagents or handle liquid reagents. In both cases there is manual involvement from the user needed leading potentially to errors.

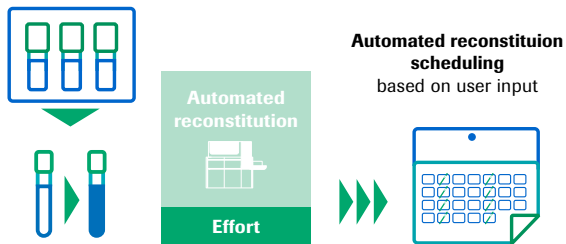


The **cobas t 511** and **cobas t 711** coagulation analyzers use cassettes as reagents. The operator does not come into contact with the vials. The cassette is automatically handled by the system. There is no manual intervention needed anymore in reagent handling. The **cobas t 511** and **cobas t 711** coagulation analyzers 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 analyzer will trigger the next reconstitution only when it is needed based on the input given (and customized) by the user. The scheduling of reconstitution is based on:

- number of tests
- number of vials
- specific date and time intervals

Your benefits

Standardization	Three different ways to schedule reconstitution
Ease of use that translates into time savings	According to number of tests
Elimination of the human error that translates into potential money savings	Specific date and time interval (ideal for tests that are batched)
Fully automated reagent management	Number of vials

Assay overview

Fully automated reagent management

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

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	✓	✓
Anti-thrombin	AT	07430035190	Cassette (1 vial)	Ready to use	100	✓	✓
Anti-Xa	Anti-Xa	08083576190	Cassette (1 vial)	Ready to use	100	✓	✓
DiDimer	D-DI2	07429410190	Cassette (1 vial)	Ready to use	100	✓	✓
HIL	HIL Test	07470045190	Cassette (2 vials)	Ready to use	2,300	✓	✓

Assays under development*

Thrombophilia	vWD
Protein C Chromogenic, APCr, Free Protein S, Protein S Clotting, dRVVT Screen and dRVVT Confirm	vWF Ag, vWF Activity
Factor Deficiency	DOACs
FII, FV, FVII, FX, FVIII, FIX, FXI, FXII, FXIII	Apixaban, Rivaroxaban, Dabigatran

*Configuration of kits to be defined

References

1 Data from market research report (GfK), 2011.

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