



*See how CoaguChek[®] technology sets the bar
for outcomes-focused, standardized care*

Standardized care starts with a single-strip platform for consistently accurate results across the care continuum—including patient self-testing.

Only CoaguChek PT test strip technology provides:

Highest correlation (97%) to lab results¹ for confidence in therapy decisions

Why this matters:

Lifetime per-patient cost for a stroke in the U.S. is estimated at more than \$140,000²

Built-in anti-heparin agent for accuracy across the heparin/LMWH therapeutic range¹

Why this matters:

One in 10 warfarin patients may require post-operative heparin/LMWH “bridging” annually^{3,4}

Special “misuse detector” (Resazurin) in the same chamber as patient test

Why this matters:

Helps ensure accurate results by detecting humidity, temperature and other environmental factors that could compromise strip integrity

Large, direct-to-test-strip dosing area for easy sample application

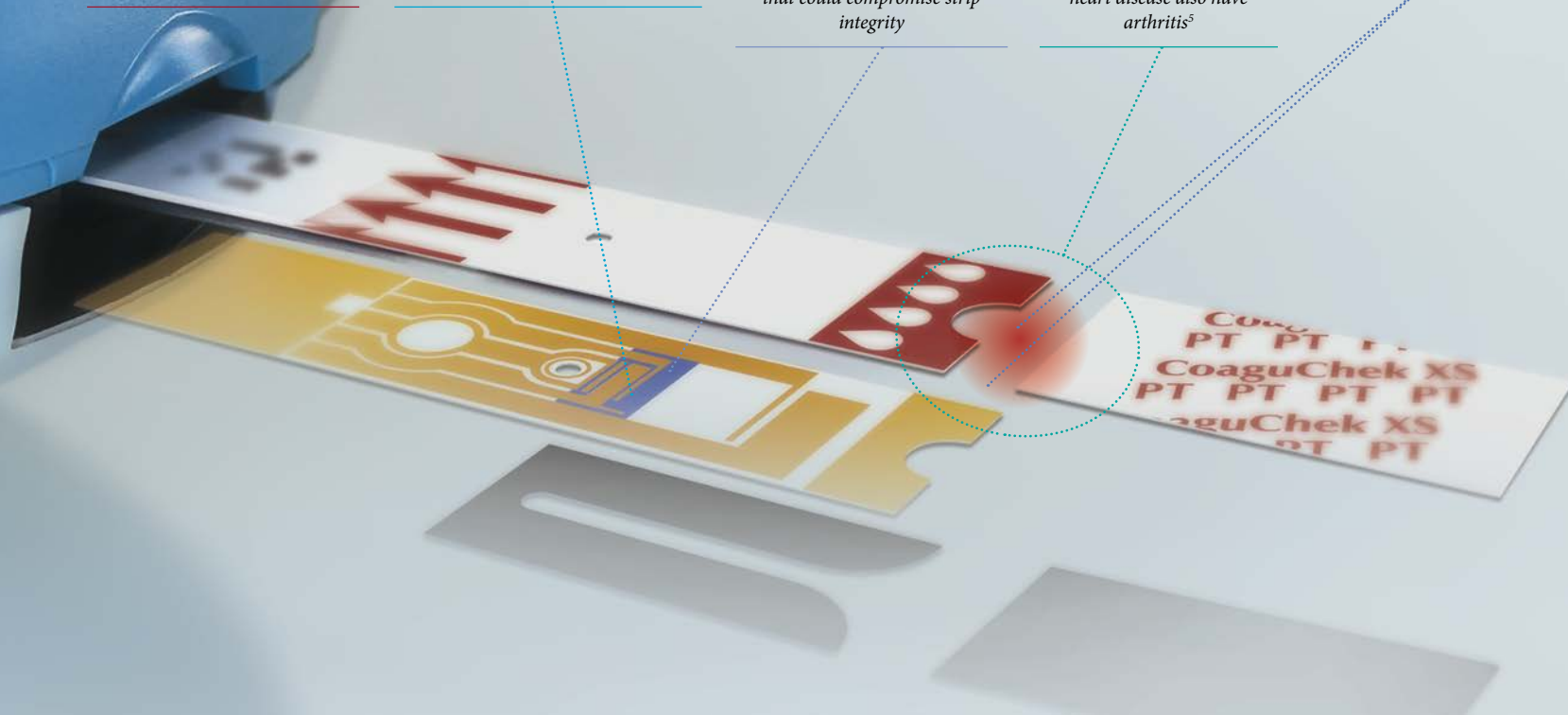
Why this matters:

Older patients may struggle with blood application—and about 57% of patients with heart disease also have arthritis⁵

Top- and side-dosing options to help meet individual preferences

Why this matters:

No cups, pipettes or cartridges to impede efficient testing



See why the CoaguChek brand is the clear choice for standardization



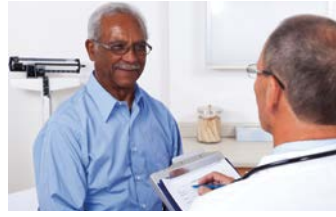
CoaguChek solution:

INRatio[®] 2 System

Coag-Sense[™] System

ITC ProTime[®] System

iSTAT[®] Analyzer



Mid- to high-volume professional system with data management and connectivity options as well as barcode scanner for enhanced patient safety

✓
CoaguChek XS Pro system



Mid- to high-volume, CLIA-waived professional system with data management and connectivity options for care coordination

✓
CoaguChek XS Plus system



Low- to mid-volume, CLIA-waived professional system with data management and connectivity options for care coordination

✓
CoaguChek XS system



Patient self-testing solution with Arthritis Foundation Ease-of-Use Commendation for higher patient satisfaction

✓
CoaguChek XS system



Single-strip platform with 97% correlation to lab results and insensitivity to heparin (up to 0.8 U/mL) and LMWH (up to 2 IU/mL)¹ for optimal patient safety

✓
All CoaguChek systems



*Falsely elevated INR values due to heparin sensitivity may precipitate premature cessation of heparin therapy and put patients at risk for recurrent thrombosis...*¹⁵



CoaguChek® XS System^{1,6}
For professional or patient home use



CoaguChek® XS Plus System^{1,7}
For professional use



CoaguChek® XS Pro System^{1,8}
For professional use



INRatio®2 System^{9,10}

1	Correlation to lab results	97% ¹	97% ¹	97% ¹	93%
2	Neutralizes therapeutic levels of heparin/LMW heparin	✓	✓	✓	✗
3	Earned the Arthritis Foundation Ease-of-Use Commendation	✓	✗	✗	✗
4	Less blood required	8 µL	8 µL	8 µL	15 µL
5	Blood application time	3 minutes	3 minutes	3 minutes	3 minutes
6	On-screen countdown to result	✓	✓	✓	✗
7	Flexible dosing	Sample applied directly to top or side of strip	Sample applied directly to top or side of strip	Sample applied directly to top or side of strip	Sample applied directly to top of strip only
8	Time to result	< 1 min	< 1 min	< 1 min	< 1 min
9	CV% (therapeutic capillary)	4.40%	4.40%	4.40%	5.90%
10	Data storage (memory)	300 results	2,000 results	2,000 results	120 results
11	Test strip shelf life	Until printed expiration date	Until printed expiration date	Until printed expiration date	Until printed expiration date
12	Test strip storage	36° F – 86° F	36° F – 86° F	36° F – 86° F	35° F – 90° F
13	CLIA-waived	✓	✓	✗	✓
14	Approved for patient self-testing	✓	✗	✗	✓
15	Weight of device (w/batteries)	6.2 oz.	14.2 oz.	15.6 oz.	9.3 oz.
16	Connectivity	✓	✓	✓	✓
17	Barcode reader	✗	✗	✓	✗
18	Hematocrit range	25-55%	25-55%	25-55%	30-55%
19	Interfering factors	Bilirubin: 30 mg/dL Hemoglobin/hemolysis: 1,000 mg/dL Lipemia/triglycerides: 500 mg/dL	Bilirubin: 30 mg/dL Hemoglobin/hemolysis: 1,000 mg/dL Lipemia/triglycerides: 500 mg/dL	Bilirubin: 30 mg/dL Hemoglobin/hemolysis: 1,000 mg/dL Lipemia/triglycerides: 500 mg/dL	Bilirubin: 20 mg/dL Hemoglobin/hemolysis: 500 mg/dL Lipemia/triglycerides: 1,500 mg/dL
20	System operating temp	59° F – 90° F	59° F – 90° F	59° F – 90° F	50° F – 95° F
21	Humidity	< 85%	< 85%	< 85%	10-95%



ITC ProTime® System^{11,12}

94%



27 μ L (3 chamber)
65 μ L (5 chamber)

2 min 10 sec



Sample must fill cup on
Tenderlett® Plus, then be
attached to cuvette

5 min

N/A

50 results

60 days (room temperature);
until printed expiration date
if refrigerated

36° F – 46° F



1.6 lbs.



20-60%

N/A

59° F – 86° F

> 30%



Coag-Sense™ System¹³

92%



10 μ L

2 min



Sample applied using
mini-pipette or sample
transfer tubes

< 1 min

2.60%

100 results

Until printed expiration date

35° F – 90° F



1.2 lbs.



15-60%

Bilirubin: 20 mg/dL
Hemoglobin/hemolysis:
500 mg/dL
Lipemia/triglycerides:
3,000 mg/dL

65° F – 90° F

10-85%



iSTAT® Analyzer¹⁴

96%

Insensitive to heparin
up to 1.0 U/mL



20 µL

Immediately
(blood goes into cartridge)



Sample applied directly to
cartridge

5 min

4.60%

1,000 results

Until printed expiration date

35° F – 46° F (requires 5 min
to warm up to room temp)



22.9 oz. w/rechargeable battery
22.4 oz. w/disposable battery



25-54%

N/A

61° F – 86° F

< 90%

References

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- ³ Douketis JD, Spyropoulos AC, Spencer FA, et al. Perioperative Management of Antithrombotic Therapy: Antithrombotic Therapy and Prevention of Thrombosis. American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. 9th ed. *Chest*. 2012;141:e326S–e350S.
- ⁴ Douketis JD, Berger PB, Dunn AS, et al. The Perioperative Management of Antithrombotic Therapy. American College of Chest Physicians Evidence-Based Clinical Practice Guidelines. 8th ed. *Chest*. 2008;133(6 suppl):299S–339S.
- ⁵ National Center for Chronic Disease Prevention and Health Promotion. Arthritis at a Glance: Meeting the Challenge of Living Well. 2012. Available at <http://www.cdc.gov>. Accessed April 5, 2013.
- ⁶ CoaguChek® XS System User Manual [04837991001(04)]. Indianapolis, Ind.: Roche Diagnostics; 2011.
- ⁷ CoaguChek® XS Plus System User Manual [05021464001 (05)]. Indianapolis, Ind.: Roche Diagnostics. 2012.
- ⁸ CoaguChek® XS Pro System Operator's Manual [05914639001 (02)]. Indianapolis, Ind.: Roche Diagnostics. 2012.
- ⁹ INRatio™2 PT/INR Professional Testing System User Guide. [PN 26047en Rev. A 2010/07/22]. San Diego, Cal.: Alere San Diego, Inc.; 2010.
- ¹⁰ INRatio PT/INR Test Strips [package insert PN 26051 Rev. C]. San Diego, Cal.: Alere San Diego, Inc.; 2011.
- ¹¹ ITC Professional User Manual [IR5246]. Edison, N.J.: International Technidyne Corporation; 2008.
- ¹² ITC ProTime® Cuvette [package insert IR5259]. Edison, N.J.: International Technidyne Corporation; 2008.
- ¹³ Coag-Sense™ test strip [package insert APOC ART023108 Rev. A 06/10]. Fremont, Cal.: CoaguSense, Inc. 2010.
- ¹⁴ iStatT 1 System Manual. [714336-00L]. Abbott Park, Ill.: Abbott Point of Care Inc.; 2012.
- ¹⁵ Leech BF and Carter CJ. Falsely elevated INR results due to the sensitivity of a thromboplastin reagent to heparin. *Am J Clin Pathol*. 1998;109(6):764–768.

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