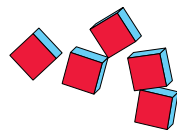


Access<sup>®</sup>  
Cardiac

# Digoxin

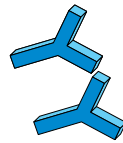
- *Dynamic range: 0.2 - 6.0 ng/mL*
- *Therapeutic range: 1 - 2 ng/mL*
- *Reproducibility: CV ≤ 10%*
- *Time to first result: 20 minutes*
- *Cross-reactivity with digitoxin: 2.9%*

## 1 step competitive binding technique



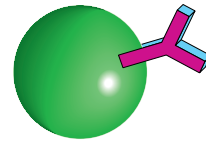
Sample  
containing  
digoxin

+



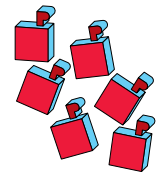
Rabbit anti-  
digoxin

+



Paramagnetic  
particles  
coated with  
goat anti-rabbit IgG

+

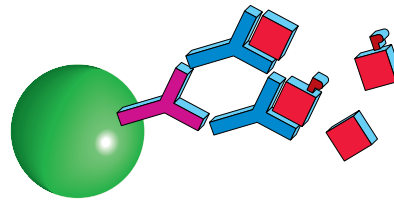


Digoxin-alkaline  
phosphatase  
conjugate



Mix and incubate  
at 36.5°C for 10 minutes

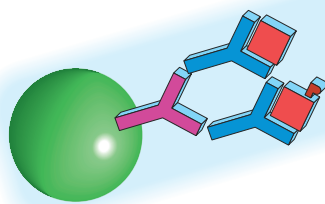
→



Competitive binding

→

Wash  
3 times



+

Add  
substrate

→

Incubate  
5 minutes

Dioxetane-P



Dioxetane

Read light

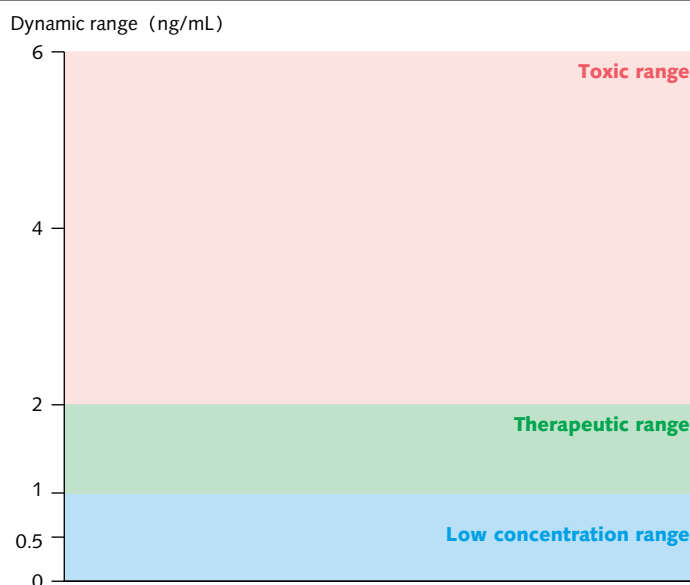
**Signal produced is inversely proportional to the digoxin concentration in the sample**



# Digoxin

## Performance

Dynamic range - therapeutic range\*



\* Cardiac Drugs. 1989. In *American Hospital Formulary Service: 742-753*. Edited by McEvoy, G.K.

## Characteristics

Sample Type/Size	Serum/55 µL
Time to 1st Result	20 minutes
Analytical Sensitivity	0.2 ng/mL
Calibrator Levels	0, 0.5, 1, 2, 4, and 6 ng/mL
Therapeutic Range	1 - 2 ng/mL in adults; 1.1 - 1.7 ng/mL in children
Open Pack Stability	14 days
Calibration Stability	28 days
Precision	CV ≤ 10%

## Ordering Information

Access® Digoxin - 2 packs of 50 tests/pack	33710
Access® Digoxin Calibrators - 6 vials of 4 mL	33715
Access® Digoxin Zero Calibrator - 1 vial of 4 mL	33716



Africa/Middle East/Eastern Europe: Switzerland, Nyon (41) 22 994 0707. Australia, Gladesville (61) 2 9844 6000. Canada, Mississauga (1) 905 819 1234. China, Beijing (86) 10 6515 6028. Hong Kong (852) 2814 7431, 2814 0481. France, Villepinte (33) 1 49 90 90 00. Germany, Krefeld (49) 2151 33 35. Italy, Milan (39) 02 953921. Japan, Tokyo (81) 3 5404 8424. Latin America (305) 380 4709. Mexico, Mexico City (525) 575 6805. Netherlands, Mijdrecht (31) 297 230630. Singapore (65) 339 3633. South Africa, Johannesburg (27) 11 805 2014. Spain, Madrid (34) 91 728 7900. Sweden, Bromma (46) 8 98 53 20. Switzerland, Nyon 0800 850 810. Taiwan, Taipei (886) 2 2378 3456. UK, High Wycombe (44) 01494 441181. USA, Brea, CA 800 352 3433 714 993 5321.