



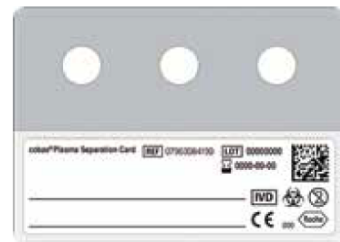
Global Access Program  
**take aim**  
**at HIV**



## **cobas<sup>®</sup> Plasma Separation Card**

Spot it. Move it. Prove it.

Diverse infrastructure demands innovative solutions. The **cobas<sup>®</sup>** Plasma Separation Card helps tackle the HIV/AIDS epidemic by making sample collection simple and achievable in remote and challenging areas.



### **Advanced performance**

**cobas<sup>®</sup>** Plasma Separation Card on the **cobas<sup>®</sup>** 6800/8800 Systems

**Within laboratory precision of cobas<sup>®</sup> HIV-1 in combination with the Plasma Separation Card**

Measured concentration (cp/mL in centrifuged EDTA plasma)	Source material	Pooled SD
1.02E+07	Cell Culture	0.08
9.12E+05	Cell Culture	0.08
8.32E+04	Cell Culture	0.09
7.94E+03	Cell Culture	0.13
2.00E+03	Cell Culture	0.23

### **Advanced performance**

**cobas<sup>®</sup>** Plasma Separation Card on the **cobas<sup>®</sup>** 4800 Systems

Measured concentration (cp/mL in centrifuged EDTA plasma)	Source material	Pooled SD
1.0E+07	Cell Culture	0.08
1.0E+06	Cell Culture	0.09
1.0E+05	Cell Culture	0.10
1.0E+04	Cell Culture	0.16
1.0E+03	Cell Culture	0.23



**SPOT IT. MOVE IT. PROVE IT.**



## Advanced performance

### cobas<sup>®</sup> Plasma Separation Card on the COBAS<sup>®</sup> AmpliPrep/COBAS<sup>®</sup> TaqMan<sup>®</sup> System

#### Within laboratory precision of COBAS<sup>®</sup> AmpliPrep/COBAS<sup>®</sup> TaqMan<sup>®</sup> HIV-1 Test, v2.0 in Combination with the Plasma Separation Card

Measured concentration (cp/mL)	Source material	Pooled SD
6.31E+06	Cell Culture	0.08
1.05E+06	Cell Culture	0.09
1.02E+05	Cell Culture	0.12
1.05E+04	Cell Culture	0.19
2.29E+03	Cell Culture	0.25

#### Correlation of cobas<sup>®</sup> Plasma Separation Card versus plasma viral load

The cobas<sup>®</sup> Plasma Separation Card solution will allow for increased access to testing in resource limited settings, easy-to-use for transportation and storage while also providing a state-of-the-art stabilizer membrane for transporting samples under extreme heat and humidity.

- Provides an updated technology for easy plasma sample collection and transportation in resource limited settings
- Meets the World Health Organization sensitivity requirement for determining HIV treatment
- Stable under harsh condition that eliminates the need for refrigeration in transporting plasma samples to the laboratory

#### Performance Summary

	cobas <sup>®</sup> 6800/8800 Systems	cobas <sup>®</sup> 4800 Systems	COBAS <sup>®</sup> AmpliPrep/ COBAS <sup>®</sup> TaqMan <sup>®</sup> System
<b>Sample type</b>	Dried plasma spot coming from Plasma Separation Card	Dried plasma spot coming from Plasma Separation Card	Dried plasma spot coming from Plasma Separation Card
<b>Minimum amount of sample required</b>	140 µL whole blood	140 µL whole blood	140 µL whole blood
<b>Analytical sensitivity</b>	790.2 cp/mL	598.6 cp/mL	737.9 cp/mL
<b>Linear range</b>	790 cp/mL - 1.0E+07 cp/mL	599 - 1.0E+07	738 cp/mL - 1.0E+07 cp/mL
<b>Correlation to plasma</b>	$y = 0.92x + 0.42$ ; $R^2 = 0.90$	$y = 0.94x + 0.42$ ; $R^2 = 0.97$	$y = 1.06x - 0.23$ ; $R^2 = 0.92$
Transportation: Up to 21 days at 18-45°C and up to 85% humidity			
Post transportation storage at room temperature (18-30°C), at 2-8°C or at -10°C for up to 56 days (with and without layer separation)			

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