

VQA LABORATORY
Rush University Medical Center
HIV RNA Copy Control Data Information Sheet

Storage Conditions:

VQA RNA Copy controls are designed for **single-use** only. They should be stored at -70°C or colder, and should not be exposed to multiple freeze-thaw cycles. The VQA has demonstrated stability of these controls for up to 4 years at -70°C, and recommends storage in liquid nitrogen for periods extending beyond this time point.

Matrix:

VQA HIV RNA Copy Controls are created using commercially available (SeraCare) pooled human serum to which a final concentration of 6mM EDTA has been added (SER+EDT). The VQA has predetermined that this matrix performs similarly to EDTA plasma on both the Roche TaqMan and Abbott RealTime assays.

Acceptable Range Determinations:

The ranges for the VQA200 HIV RNA copy control were defined using data generated in the field. Kit-specific ranges have been defined for the Abbott RealTime and Roche TaqMan assays. The ranges will not vary by control production; the same kit-specific ranges will apply to all VQA200 copy control productions.

Additional Questions:

For any questions or problems with the HIV RNA copy control shipment you have received, please contact Salvatore Scianna at 312-942-4841 or Salvatore_R_Scianna@rush.edu.

HIV RNA 200cp/mL Control Range:

Assays					median log ₁₀ value +/- SD (copies/mL)						Copies/mL
Kit	VQA Control	Control Lot # ¹	Median	SD	-3SD	-2SD	-1SD	+1SD	+2SD	+3SD	3SD Range
Abbott RealTime/Roche TaqMan	200	VQA14017089	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA14141091	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA14247092	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA14336093	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA15036094	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA15070095	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA15189096	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA15196097	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA15273098	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA15336099	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA16028100	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA16112101	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA16209102	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA16335104	203	0.16667	64	94	138	298	437	642	64-642
Abbott RealTime/Roche TaqMan	200	VQA17053105	203	0.16667	64	94	138	298	437	642	64-642

¹The control lot number is the naming convention that should be used when keying the lot number into the LDMS. The lot number on the control tube is the numeric code for the production (e.g. 14017089 for control lot 89).