

## Qualisa HIV 4.0

### Fourth generation ELISA for the detection of antibodies to HIV 1/2 & O subtypes and p24 antigen in human serum or plasma

**Intended Use:** \_\_\_\_\_

Qualisa HIV 4.0 is intended to be used for the detection of antibodies to HIV-1 & HIV-2 & O subtypes and p24 antigen in human serum or plasma.

**Qualisa HIV 4.0 kit components:**

<b>Coated microwells</b>	Microwells are coated with monoclonal anti p-24 antibodies and recombinant antigens representing both HIV-1 and HIV-2
<b>Positive control</b>	Inactivated and stabilized human serum reactive for HIV-1 with preservatives
<b>Negative control</b>	Inactivated and stabilized human serum non reactive for HIV-1, HIV-2, HBsAg and HCV
<b>Conjugate</b>	Antigen-1 HRP conjugate (50x). To be diluted 50 times with conjugate diluent
<b>Antibody reagent</b>	Biotinylated monoclonal anti-p24 antibody. Ready to use
<b>Conjugate diluent</b>	Buffered solution containing stabilizing proteins and preservatives
<b>Sample diluent</b>	Buffered solution containing stabilizing proteins and preservatives
<b>Substrate</b>	Solution containing Tetramethyl benzidine (TMB) and hydrogen peroxide. Ready to use
<b>Wash buffer</b>	Buffer containing surfactants (20x). To be diluted 20 times with distilled water or deionized water
<b>Stop solution</b>	Diluted sulphuric acid. Ready to use

**Performance Characteristics:**

<b>Sensitivity:</b> 100%	<b>Specificity:</b> 99.71%
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FEATURES	BENEFITS
<b>High p24 antigen sensitivity: 20 pg/ml</b>	Excellent detectability and specificity
<b>High S/CO</b>	Higher OD values in low titre samples and 'grayzone' reactions are highly in true positive samples
<b>DHS<sup>3</sup> technology</b>	High detectability particularly in low titre samples High antibody sensitivity High thermal stability Long-use life
<b>High specificity</b>	Good correlation with other licensed ELISAs
<b>Early detection within 2 weeks</b>	Serves to contain the spread of infection, by timely detection

Storage / Stability	Temperature	Duration
Unopened kit	2-8°C	12 Months
Opened kit	2-8°C	8 Months

Available Pack Sizes	
96 Tests	192 Tests
480 Tests	