



Ba EIA

For **Research Use Only** in the United States. Not for use in diagnostic procedures.

Background

MicroVue Ba Enzyme immunoassay provides quantitative measurement of complement fragment Ba. By quantifying the amount of Ba, the extent of alternative pathway activation at the time of sample collection can be determined.

Measurement of alternative pathway activation aids in the diagnosis of several kidney diseases, e.g., chronic glomerulonephritis, lupus nephritis, as well as several skin diseases, e.g. dermatitis herpetiformis and pemphigus vulgaris. Alternative pathway activation has also been implicated in age-related macular degeneration, fetal loss in at risk pregnancy, rheumatoid arthritis and sickle cell anemia.

Format

- 96-well microplate with reagents sufficient to test 40 samples in duplicate
- Controls included: High, Low

Species Cross-Reactivity

- African Green Monkey, Cynomolgus Monkey, Rhesus Monkey, Canine

Assay Steps

- Prepare Reagents, Standards, Controls and Samples
- Add 300 µL of wash solution into assay wells
- Incubate 1 minute
- Wash the assay wells 3 times
- Add 100 µL of all Standards, Controls and diluted samples into assay wells
- Incubate 60 minutes at 18°C to 26°C
- Wash the assay wells 5 times
- Add 100 µL of Ba Conjugate to each well
- Incubate 60 minutes at 18°C to 26°C
- Wash the assay wells 5 times
- Pipette 100 µL Substrate Solution
- Incubate 15 minutes at 18°C to 26°C
- Add 100 µL of Stop Solution to each assay well
- Measure absorbance at 450 nm

Assay Performance

Method: Direct Capture

Analyte: Complement Fragment Ba

Samples: Urine Diluted 1:15
Plasma Diluted 1:1000
Serum Diluted 1:2000

Sample Volume: 100 µL

Limit of Detection: 0.011 ng/mL

Assay Range:
0.033 ng/mL to 3.239 ng/mL

Precision (intra-assay):
2.2% to 3.3%

Precision (inter-assay):
2.4% to 8.1%

Assay Time: < 3 hours

Also available:

MicroVue iC3b EIA – Cat. #A006

MicroVue C4d EIA – Cat. #A008

MicroVue SC5b-9 EIA – Cat. #A020 (RUO)
Cat. #A029 (CE)

MicroVue C5a EIA – Cat. #A021 (RUO)
Cat. #A025 (CE)

MicroVue Bb Plus EIA – Cat. #A027 (CE)

MicroVue C3a Plus EIA – Cat. #A031 (RUO)
Cat. #A032 (CE)

