

MICRONUTRIENT ARRAY (7-PLEX)



The Q-Plex™ Human Micronutrient Array is a fully quantitative chemiluminescent assay enabling concurrent measurement of biomarkers used in nutritional assessment samples

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The Q-Plex™ Human Micronutrient Array (7-plex) is a fully quantitative chemiluminescent assay for concurrent surveillance of critical nutritional biomarkers. The assay measures biomarkers for deficiency in Iron (Ferritin and soluble transferrin receptor, sTfR), Iodine (Thyroglobulin, Tg), Vitamin A (Retinol Binding Protein 4, RBP4), as well as clinical indicators of inflammation (C-reactive Protein, CRP and α -1-acid glycoprotein, AGP) and plasmodium falciparum antigenemia (histidine-rich protein II, HRP2). Validated protocols for heparinized plasma samples are in place, with protocols for dry blood spots in development.

Each kit contains a 96-well plate and the high-quality reagents necessary to perform the assay. The individual wells are precisely and reproducibly spotted with each of the seven biomarkers for accurate results. High and low controls are provided to further ensure the quality of the data.

Requiring just 12 μ l of plasma (combined with 108 μ l diluent) to assay samples in duplicate, each plate can be used to simultaneously test up to 40 samples for all seven markers in the panel in 3.5 hours. The Q-Plex Micronutrient kit is a result of Quansys' commitment to support ongoing efforts to eradicate micronutrient deficiencies in developing countries.



Response profiles of two samples (Replicates are in each row) demonstrate typical sample result and reproducibility

MICRONUTRIENT KIT

Catalog #	Product Name
565149HU	Q-Plex™ Human Micronutrient Array (7-plex)

PRODUCT RANGE

	Units	Sample Quantification Range
CRP	mg/L	0.077 - 56
Ferritin	μ g/L	1.578 - 1150
Tg	μ g/L	0.188 - 137
HRP2	μ g/L	0.013 - 9.6
AGP	g/L	0.005 - 3.6
RBP4	μ mol/L	0.014 - 10.1
sTfR	mg/L	1.468 - 1070



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Quansys is an ISO 9001:2015 and ISO 13485:2016 registered company and complies with cGMP. Products are designed, developed, and manufactured according to the procedures outlined in our Quality Management System.

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