Product Description

Multi-Analyte Controls MAC™, Catalog No. F465R

The Cygnus Technologies Multi-Analyte Controls MAC™ are designed to serve as a set of controls that span the analytical range of 4 popular Cygnus assays. They can also be used to trend the performance of each of the 4 assays over time.

These controls are designed to be utilized in the following kits with the corresponding Cygnus provided protocols:

Catalog No: F550: 3G CHO HCP ELISA
F410: *E. coli* HCP ELISA
F650R: HEK HCP ELISA
F610: Mix-N-Go Protein A ELISA*

	Low	**Middle**	**High**
3G CHO HCP	5.0ng/mL	25ng/mL	75ng/mL
E. coli HCP	5.0ng/mL	25ng/mL	75ng/mL
HEK HCP	15ng/mL	45ng/mL	135ng/mL
F610 Protein A*	0.50ng/mL	2.0ng/mL	7.5ng/mL

*The MAC™ may be used for all residual Protein A assays. However, the results will vary from the stated concentrations as the controls have been calibrated for MabSelect SuRe™.

As a reference, below is example data of how the assay performs in the labs at Cygnus Technologies.

	Control Level	**Number of Results**	**Overall Average**	**Standard Deviation**	**CV%**
CHO	Low	40	4.7	0.41	8.8
	Mid	40	24	0.99	4.2
	High	40	71	3.05	4.3
E. coli	Low	40	5.0	0.22	4.4
	Mid	40	27	0.86	3.2
	High	40	76	2.68	3.5
HEK	Low	40	13	1.18	8.8
	Mid	40	43	3.47	8.1
	High	40	140	8.78	6.3
Protein A	Low	40	0.52	0.05	8.7
	Mid	40	1.8	0.05	2.7
	High	40	7.1	0.27	3.8