



Monobind Technical Support Memo

Subject; TBG Control Volume Requirements

Date; January 2020

QUESTION:

How many sets of TBG controls are required per kit, or how many sets will my lab require? How far does one set of controls go?

ANSWER:

Monobind offers a [TBG Control Kit](#) (item # TBG-300) which includes three-levels (A, B, C) with two sets of each level (a total of 6 vials). Each vial has a 1ml fill (total of 3 levels x 2 each x 1 ml fill = 6ml). Each set can be used for much more than for one 96-well immunoassay as the 1ml fill of EACH LEVEL can be sampled many times.

The amount of control used per immunoassay kit depends on 1) The sample volume required by that assay (controls are treated the same as patient samples) 2) The number of runs the control will be used in that assay, and 3) If those runs will include duplicate use of controls.

For instance, with Monobind's TBG kit

- Each run requires duplicate (suggested) or single use of control
- Volume of control used is just like sample requirement, for TBG = 10 μ l
- Each vial = 1ml fill = 1000 μ l / 10 μ l = 100 / 2 for duplicates = 50 sample wells
- Two vials per level = 100 sample wells of control (if they run in single that's 200)

Controls have an open vial stability of 30 days at 2-8°C. To extend the life of the control we suggest customers aliquot the amount they need in advance of use (as to not dip multiple times into the vial and risk contamination) and to freeze the remaining volume (either in provided vials or in additional aliquoted sets).

Shelf life on closed vials is five years from time of manufacturer and can be stored at 2-8°C.

Authorized by:

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January 28, 2020

